blink

Pedestal Charging System
Owner's Manual

Simply Smart.

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Electric Transportation Engineering Corporation
dba **ECOtality North America**
430 S. 2nd Avenue
Phoenix, Arizona 85003-2418
888-998-BLINK (2546)
www.ecotalityna.com
www.blinknetwork.com

DRAFT

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IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

Before using the **blink** Electric Vehicle Supply Equipment (EVSE), hereafter called "charger" or "charging system", read all of these instructions, as well as the **WARNING** and **CAUTION** markings in this document, on the charger, and on your vehicle.

WARNING: Used when there is a risk of personal injury

WARNING: RISK OF ELECTRIC SHOCK – Used when there is a risk of electric shock

WARNING: RISK OF FIRE – Used when there is a risk of fire

CAUTION: Used when there is a risk of damage to the equipment

---

WARNING: RISK OF ELECTRIC SHOCK
Basic precautions should always be followed when using electrical products, including the following:

a. Read all the instructions before using this product.

b. This device should be supervised when used around children.

c. Do not put fingers into the electric vehicle connector.

d. Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.

e. Do not use this product if the enclosure or the EV connector is broken, cracked, open, or shows any other indications of damage.

WARNING: RISK OF ELECTRIC SHOCK
Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

MODEL WE-30/48 GROUNDING INSTRUCTIONS: This product must be connected to a grounded, metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead on the product.

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WARNING: RISK OF ELECTRIC SHOCK

- Do not touch live electrical parts.
- Verify that the system is properly installed and grounded according to its installation manual and national, state, and local codes.
- Disconnect input power before installing or servicing the equipment.

WARNING: RISK OF FIRE

This equipment has arcing or sparking parts that must not be exposed to flammable vapors. This equipment must be located at least 18 inches (460 mm) above the floor.

WARNING: Not to be used for vehicles that require ventilation during charging

This equipment is intended only for charging vehicles that do not require ventilation during charging. Please refer to your vehicle's owner's manual to determine its ventilation requirements.

WARNING: No user-serviceable parts inside

If any component part is found to be damaged and/or in need of service, have all such service performed by a certified electrical contractor or qualified **blink** charger service facility.

CAUTION: This **blink** EVSE's factory default current setting is 30 amps. If the device is connected to a lower current setting, a qualified **blink** technician must adjust the device settings and reset the unit before use.

Federal Communications Commission (FCC) Statement/Déclaration de Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with these instructions, may cause harmful interference to radio communications. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.
3. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

NOTE: Cet équipement a été testé et trouvé conforme aux limites pour un dispositif numérique de classe B, conformément à la Partie 15 des règlements de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre des fréquences radio, et s'il n'est pas installé et utilisé conformément à ces instructions, peut causer des interférences nuisibles aux communications radio. Si cet équipement provoque des interférences nuisibles à la réception radio ou de télévision, qui peut être déterminé en mettant l'équipement hors tension, l'utilisateur est encouragé à essayer de corriger l'interférence par un ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne.
- Augmenter la distance entre l'équipement et le récepteur.

- Connecter l'équipement à une sortie sur un circuit différent de celui auquel le récepteur est connecté.
- Consulter le revendeur ou un technicien radio / TV.

Cet appareil est conforme à la Partie 15 des règlements de la FCC. Son fonctionnement est soumis aux conditions suivantes:

1. Ce dispositif ne doit pas causer d'interférences nuisibles, et
2. Cet appareil doit accepter toute interférence reçue, y compris les interférences qui peuvent perturber le fonctionnement.
3. Les changements ou modifications non expressément approuvés par le fabricant pourrait annuler l'autorité de l'utilisateur de faire fonctionner l'équipement.

Industry Canada Statement/ Déclaration d'Industrie Canada

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conformé à la norme NMB-003 du Canada.

Welcome to blink

blink features

The **blink** charging system makes your day-to-day vehicle charging experience convenient and cost effective. Its software is intuitive and user-friendly, making this system easy to set up and easy to use.

Touch screen
Full access at your fingertips:
- Start and stop charging
- Schedule future charging
- View charging history
- Protect with your unique PIN

Cord reel
Keeps your cord off the ground, clean and tidy:
- Wraps it up – just like a garden hose
- Holds the connector firmly in the holster – just lift up the connector to clear the "fingers"
- Protects the connector from the weather

Connector
- Locks in place in the vehicle inlet to prevent accidental disconnection
- Safe in wet or dry use
- No power unless locked in place – grounded pole is first to make contact, last to break contact
- Designed for over 10,000 charging cycles
- Meets US standards – SAE J1772™

Cord
- 18 feet long
- Flexible in freezing temperatures
- Durable for years of use

Charger

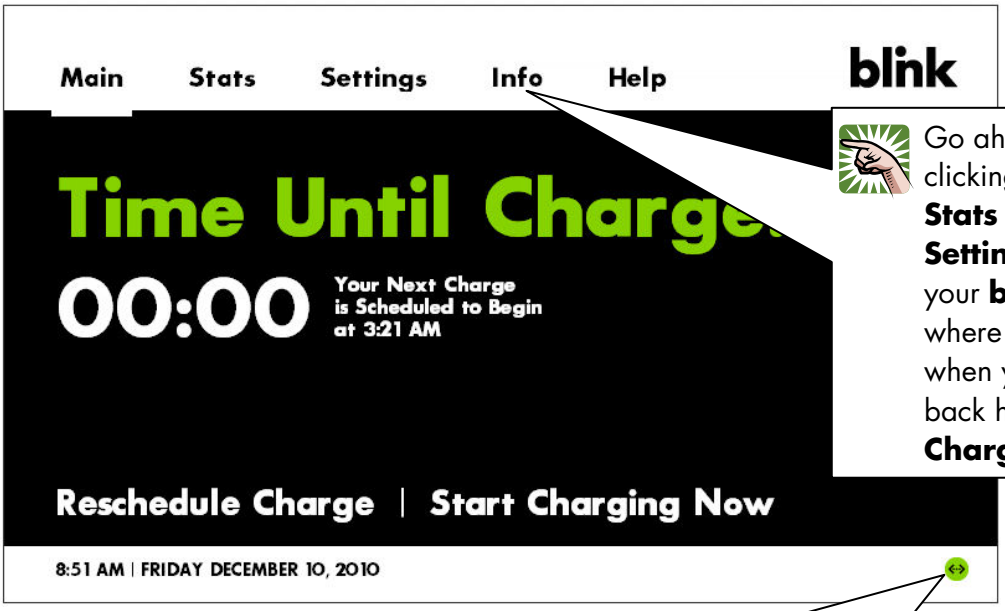
- Durable housing that is sun- and heat-resistant

A closer look at...

Your blink connector

Every time you firmly plug the **blink** connector into your car's inlet, you can hear it "click" as it locks into place. To unlock it, just press this button. It also sits firmly in the connector holster on the **blink** cord reel, to keep it from falling on the ground.

Your blink touch screen



Go ahead and touch it! It's just like clicking a computer mouse. Touch **Stats** to see your charging history, **Settings** to change how and when your **blink** does things, **Info** to see where the other **blinks** live, **Help** when you're stuck, and **Main** to get back here. Or you can **Reschedule Charge** or **Start Charging Now**.

This icon shows whether your **blink** is connected to the Internet via your home network:

- Green signal – Wireless network connected
- Black signal – Wireless network not connected
- Green arrows – LAN connected
- Black arrows – LAN not connected

More blink features

Internal energy meter

blink has a built-in energy meter, so some local utilities won't require the installation of a second meter.

- Monitors energy usage and demand
- Provides certified energy and metered demand response, so it can support electric utility electric vehicle billing when certified to ANSI C12.20 and IEC standards (if supported by your local electric utility)
- Supports energy usage data evaluation

Flexible communications

blink has many ways to connect to the Internet:

- Wireless IEEE 802.11b/g
- CDMA wireless cellular modem (for **blink** support use when your home network is unavailable)
- LAN (Ethernet)
- Future expandability to ZigBee, Silver Spring AMI, and other platforms for communicating with your smart meter and other home energy control applications

Safety

blink safety features:

- Certified to UL 2594 – Electric Vehicle Supply Equipment.
- Will not turn on the system's power unless the connector is properly latched in the vehicle's inlet – with an audible click.
- Communicates with your vehicle when the **blink** connector is plugged into the vehicle inlet, so the vehicle will not drive until the connector is unplugged.
- Turns off the charging power if the **blink** connector or cable is subjected to excessive strain.
- Charge circuit interrupting device (CCID) and ground monitoring circuit.
- Meets all National Electric Code and UL requirements related to electric vehicle charging systems.

Even more from your blink

- Restarts automatically after a power outage.
- Provides adjustable output current to support electric utility demand response requests, where available (and with your permission).
- Complies with the Americans with Disabilities Act (ADA), and can be installed in a variety of configurations to meet your needs.
- Prevents energy theft with an optional tamper-evident seal, similar to the seal on your utility meter. Your **blink** charging system installer will install this seal.

The blink network

The **blink** Network supports the entire **blink** family, including your home unit, public chargers, and DC Fast Chargers, where available. With its two-way Internet communications and dedicated network operations center, the **blink** Network is designed to both grow and change to meet the needs of electric vehicle and plug-in hybrid electric vehicle owners.

The **blink** Network includes:

- The **blink** Portal, providing friendly, near real-time access to the **blink** Network and downloadable operator manuals.
- Automatic firmware updates, so your **blink** charging station can be updated when new capabilities and functionality become available.
- 24x7 Contact Center with live customer support.
- Smart Grid implementation and support where available.
- Secure, high-availability infrastructure and software technologies that ensure that your information is always safe from others and available to you.

Subscription to the **blink** Network is optional. However, many of the powerful features available to your **blink** charging system can only be accessed through the **blink** Network. To see the **blink** Network membership options, please visit www.blinknetwork.com.

The blink portal

The **blink** Portal presents all the information you need in one place. With your customizable **blink** Dashboard, you can quickly view and interact with the **blink** Network to access dynamic information any time from your mobile phone or over the Internet.

blink Portal features include:

- **Customizable blink Dashboard** with an easy "drag-n-drop" interface – choose the **blink** Gauges you want to see every time you log in, such as how much energy you saved or how much your vehicle reduced your CO_2 output. Gauges will be expanded based on user input.
- **Advanced map technology** to find public charging stations and see their status, plan a trip, and more. Need a charging station near your destination? Simply search by address or zip code. Soon you will even be able to reserve a charging station from this portal.
- **Personalization** – lets you store favorite view points and makes suggestions based on your usage.
- **Management tools** that let you update your **blink** system's charging schedule and set up event notification via email or text message, such as sending an alert when charging stops.

- **Security features** such as a unique user name, password, and challenge questions.
- **RFID Smart Card and fob purchase & management**, so you can use public charging stations.

Setting up blink

Calibrate the blink touch screen

The first time you start up **blink**, the touch screen needs to be calibrated, much like the screen on a personal digital assistant. This process is very simple – and **blink** will walk you through it!

❶ A small plus sign (+) appears in one corner. Touch the plus sign. Repeat this step four times as the plus sign moves around the screen, first to each corner and then to the center of the screen.

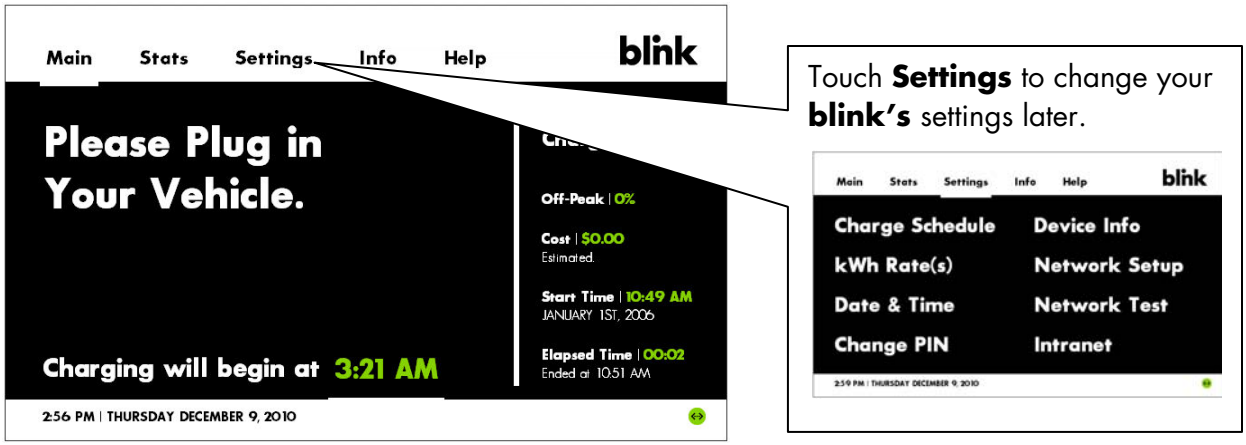
❷ A circle (O) appears in one corner. Touch the circle. Repeat this step three times as the circle moves to each corner.

❸ A *Calibration Complete* message appears in the center of the screen. Touch this message to continue.

Start the setup process

Once the **blink** touch screen has been calibrated, the **Welcome** screen appears.

tip You can set up your **blink** charging system later if you want, or skip any step in the Setup process. Change your **blink's** settings any time, by touching **Settings** on the Main screen.



Step 1 — Network Setup

One of the most important features of your new **blink** charging system is its ability to communicate over a network. This enables subscribers to access many powerful features via the **blink** Network, and with your permission, may allow your local utility company to communicate directly with your charging system. It also enables remote updates of your charging system's software and firmware.

Your charging system is equipped to communicate over the Internet in two ways:

- **Wi-Fi** – If your home has a wireless network, your charging system can connect to it via Wi-Fi. The **Network Setup** screen may show your wireless network automatically, in which case you can just touch **Configure** next to your network's name. If you do not see your wireless network because it is set to "not broadcast" or "hidden SSID", touch **Manually Connect to Wi-Fi.** (If your wireless network is not displayed, it may be out of range of your **blink** charging system.)
- **Local Area Network (LAN)** – If your home has an Internet connection, but not a wireless network, your charging system can connect to the Internet via an Ethernet connection. An Ethernet cable connects your charging system directly to the LAN. The Ethernet port on your **blink** charger is the center port on the bottom of the charger assembly, and is covered with a black, plastic cap. Simply pull back the cap and plug in the cable.

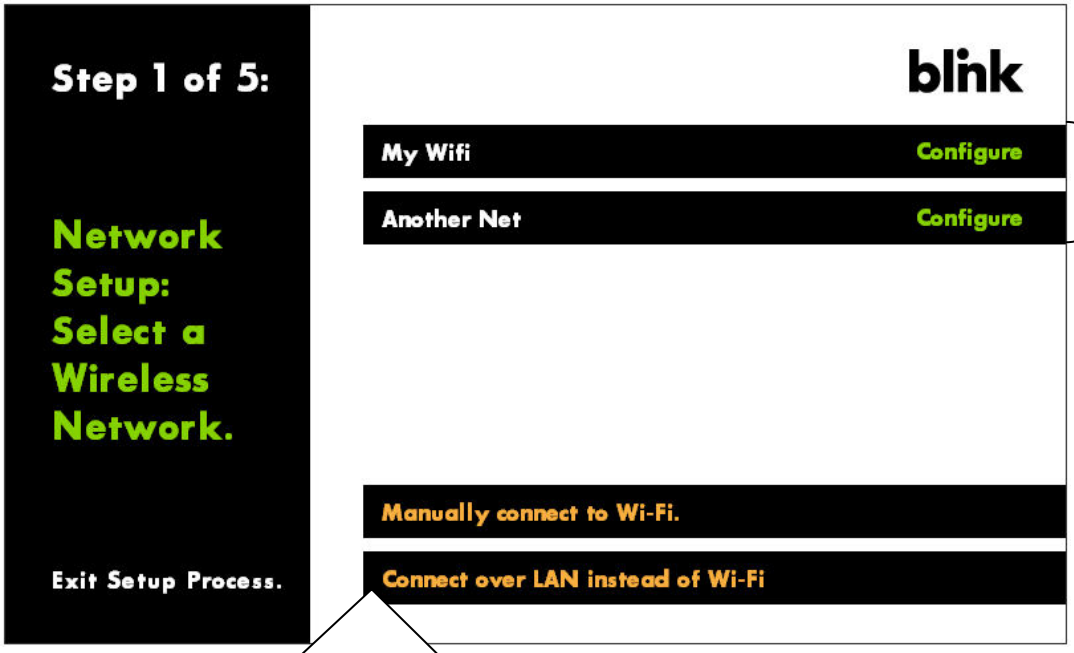
  CAUTION: The Ethernet port delivered with your **blink** charging system is intended for indoor use only (such as in a garage). Contact the **blink** Call Center or a qualified **blink** installer for information on the additional requirements for a safe outdoor Ethernet connection.

Notes:

- Before you can set up the network for your **blink** charging system, your home must already have an Internet connection, with either (a) a wireless network or (b) an available Ethernet port on a modem or router and an Ethernet cable that reaches from that port to the charging system.
- We recommend that you obtain the wireless network setup information for your home network before you start, such as the SSID and password.

Step 1 (continued)

A. Select your home network type

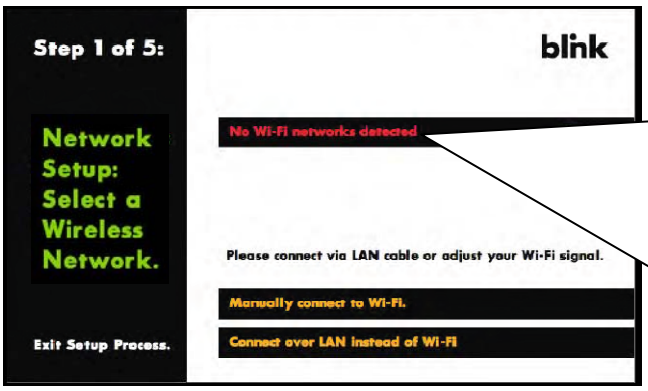


❶ If you see your Wi-Fi network, touch **Configure** next to its name to set up the connection.

See section **B,** *Enter your password.*

❷ If you do not see your network, touch either:

- **Manually connect to Wi-Fi**.
  See section **E**, *Set up Wi-Fi manually.*
  or
- **Connect over LAN instead of Wi-Fi**.
  See section **B**, *Enter your password.*



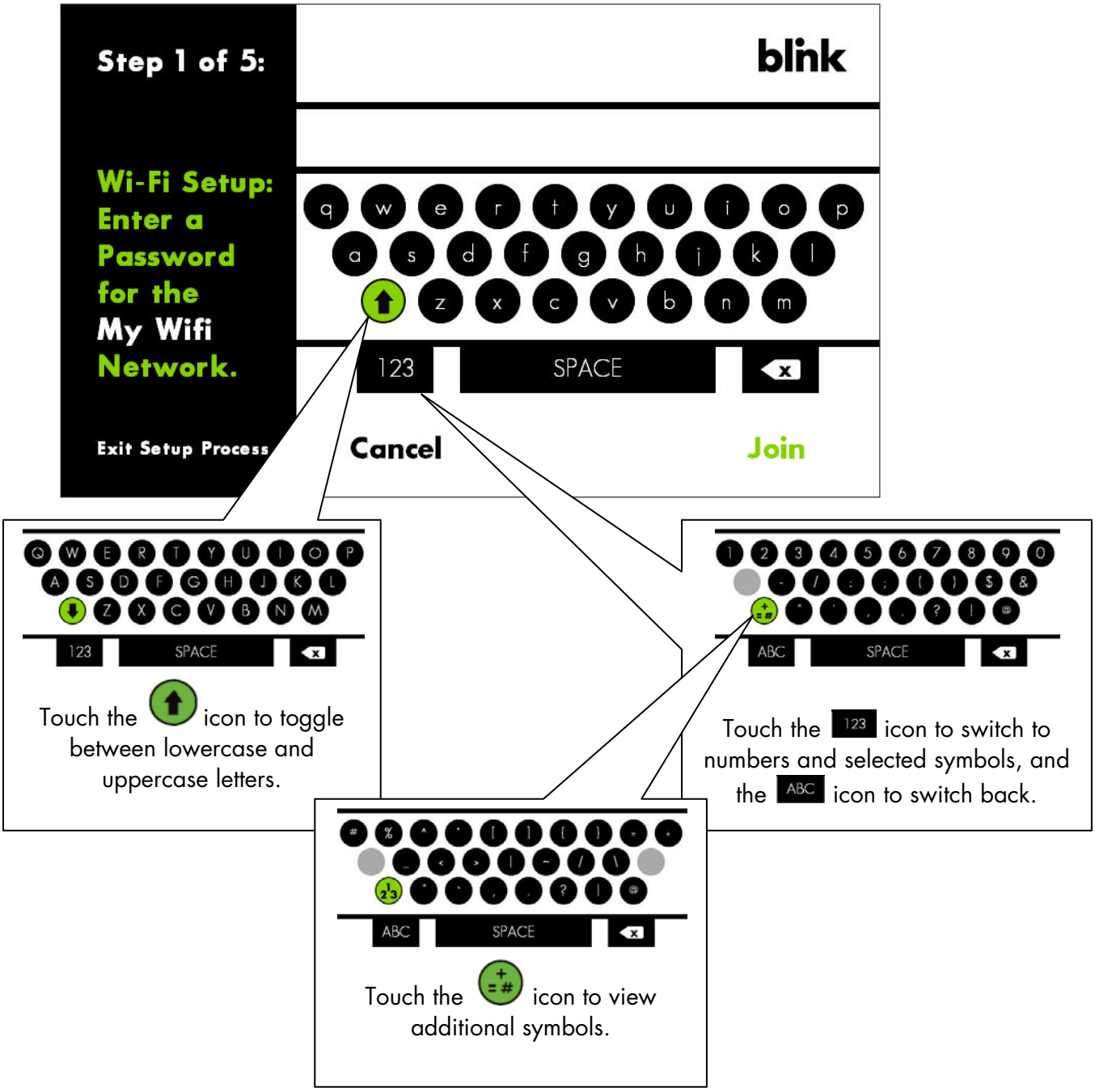
If this **No Wi-Fi Networks Detected** message appears, the charging system currently cannot connect to a wireless network.

- Confirm that your wireless network is operating properly; if not, correct the problem, touch **Rescan**, and then touch **Configure** to the right of the network name when it appears.
- If your wireless network is set to "not broadcast" or "hidden SSID", touch **Manually Connect to Wi-Fi.** See section **E**, *Set up Wi-Fi manually.*
- If neither of these solutions work, your wireless network is probably out of range. To solve this, you can move your wireless router closer or add a wireless repeater to your network.

Step 1 (continued)

B. Enter your password

If the network you selected has been secured with a password, the keypad screen appears. This on-screen keyboard works much like the keypad on a cell phone, in that the main keypad shows only lowercase letters, and you toggle to other keypad screens for uppercase letters, numbers, or symbols.

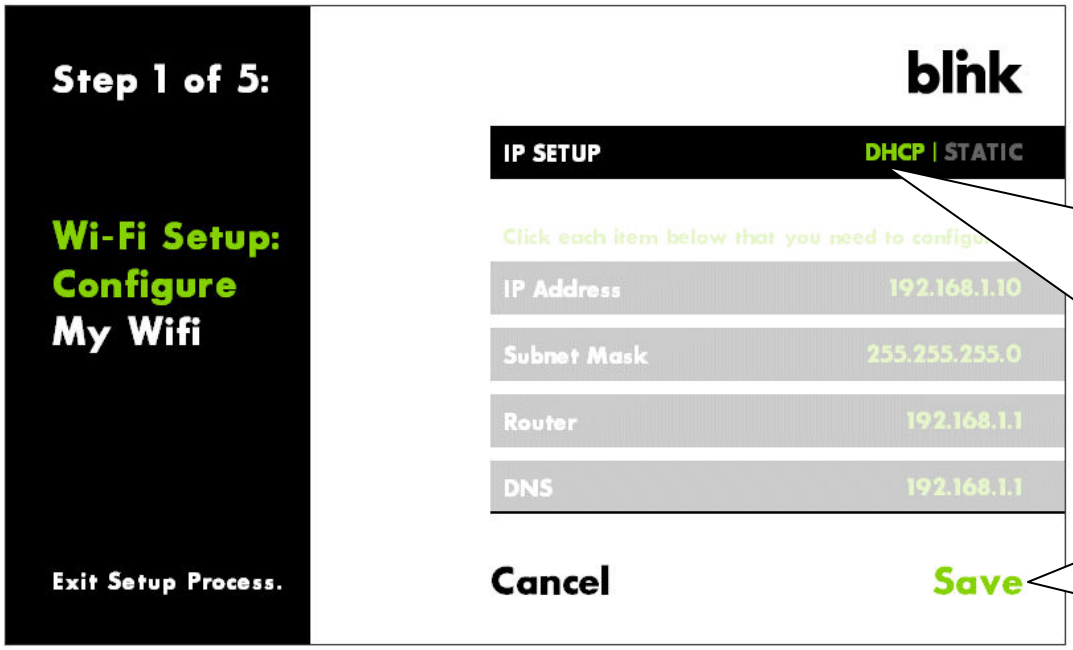


Step 1 (continued)

C. Set up the IP

Most users do not need to change the settings shown on the **IP Setup** screen. The typical installation simply allows DHCP to assign the IP address and associated settings; in this case, all you need to do for this screen is touch **Save**.

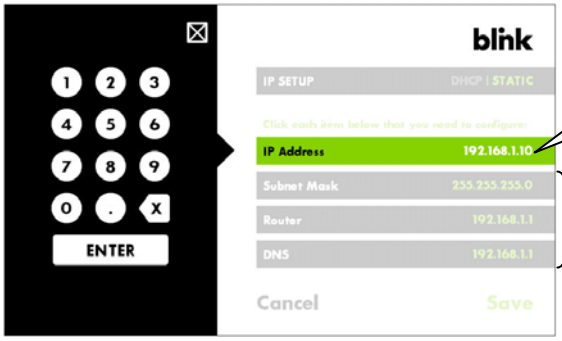
If you are an advanced user familiar with network setup, you may choose to specify a static IP address and associated settings. In this case, follow the steps shown below.

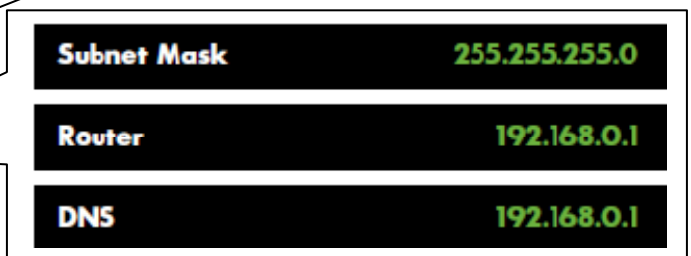


❶ Do you have a standard setup? If so, just touch **Save**.
or
Touch **Static** to specify an IP address for your home network. Go to ❷ below.

❹ Touch **Save** to finish IP setup. Go to **D**.

❷ Touch **IP Address** and then use the numeric keypad on the left to enter the address.





❸ Touch and enter the address for the **Subnet Mask**, **Router**, and **DNS** for your network.

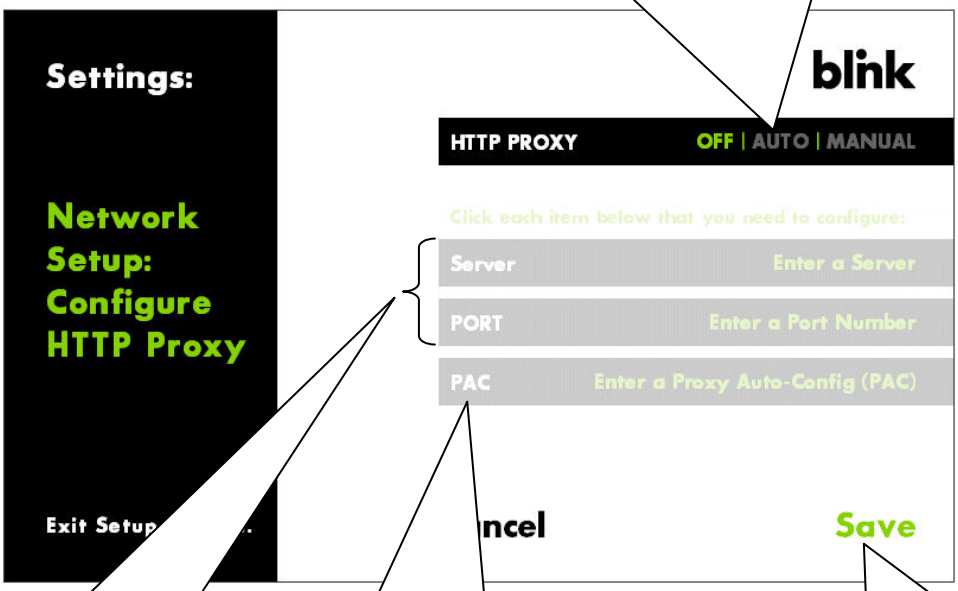
Step 1 (continued)

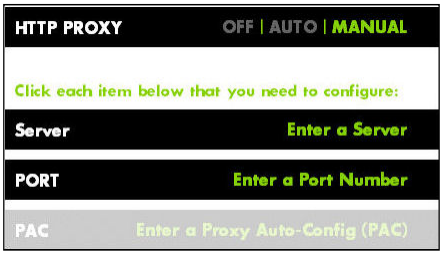
D. Set up an HTTP Proxy

Very few networks require you to set up an HTTP Proxy; this is an advanced option. In those rare cases that this is necessary, it is generally sufficient to select **AUTO**, which allows you to enter the URL and lets the system assign a port. To manually assign both the URL and port, choose **MANUAL**.

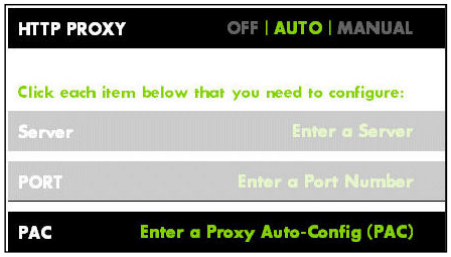
❶ To set up an HTTP Proxy:

- Touch **AUTO** to enter the server address and let the system assign the port.
- Touch **MANUAL** to enter the server address and port.





❷ If you chose **MANUAL**, touch and enter the Server address (e.g., user:password@myproxy.com) and Port Number.

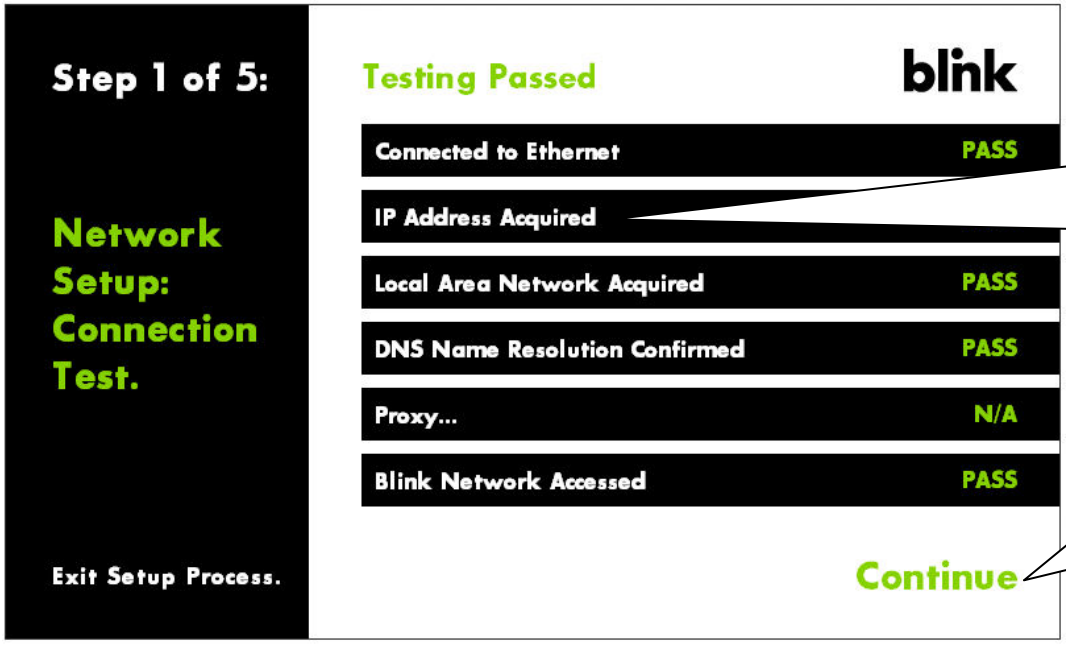


❷ If you chose **AUTO**, touch **PAC** and enter the PAC URL.

❸ Once you finish entering HTTP Proxy settings, touch **Save** to complete setup and connect to your network.

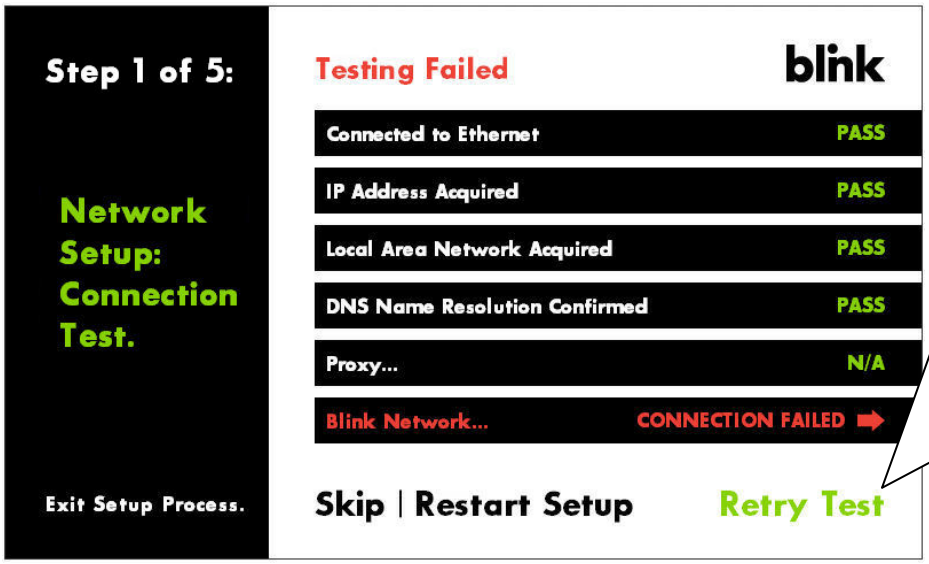
Step 1 (continued)

Once Network Setup is complete, your **blink** charging system automatically performs a network test, confirming that all of the settings are correct.



tip If a network test fails, touch the name of the test to go directly to the setup step for that setting and correct it.

❶ Touch **Continue** to proceed to Step 2.



If the Network Test fails:

- Touch **Skip** to resolve the issue later.
- Touch **Restart Setup** to check and correct the network settings.
- Touch **Retry Test** to try again.

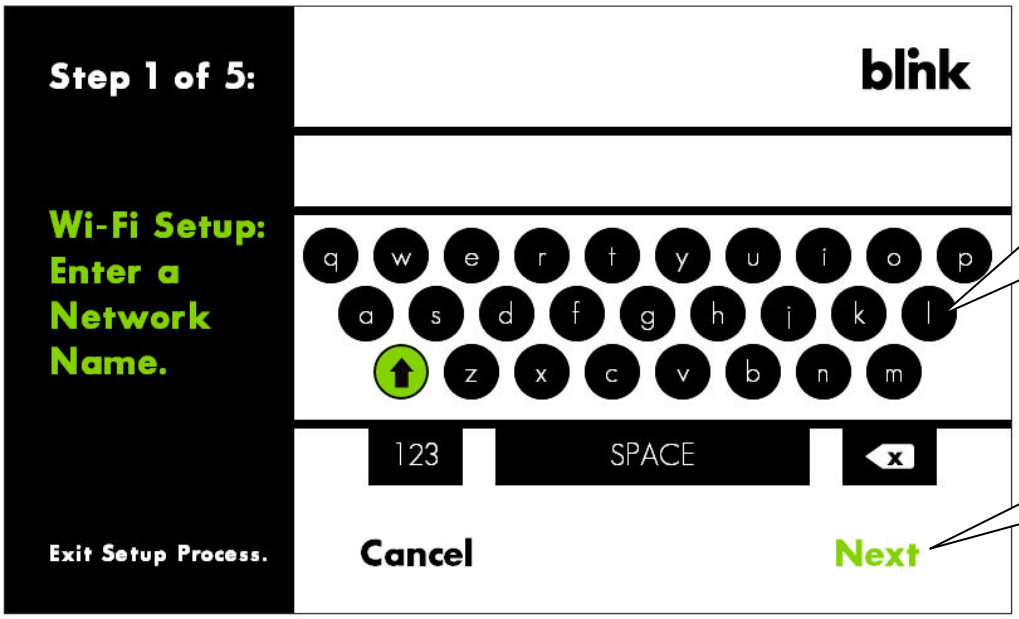
If you cannot resolve the problem yourself, please contact **blink** support.

Step 1 (continued)

E. Set up Wi-Fi manually

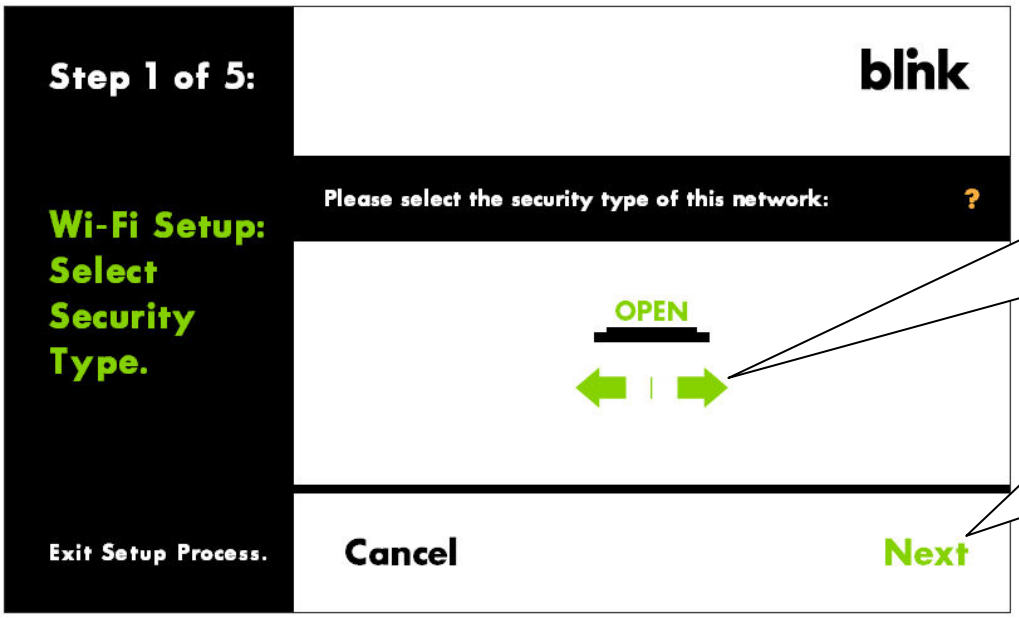
If you selected **Manually connect to Wi-Fi**, a keypad screen appears. Follow the steps below.

Note: Check your wireless router's documentation to determine your network's security type.



❶ Use the keypad to type the name of your home network.

❷ Touch **Next**.



❸ Touch the arrows to scroll to your Wi-Fi network's security type. The options are **OPEN**, **WEP**, and **WPA***.

❹ Touch **Next** to continue. Go to section **B**, *Enter your password*.

* **Note:** If your wireless network has WPA2 encryption, select **WPA**.

Step 2 — Time and Date Setup

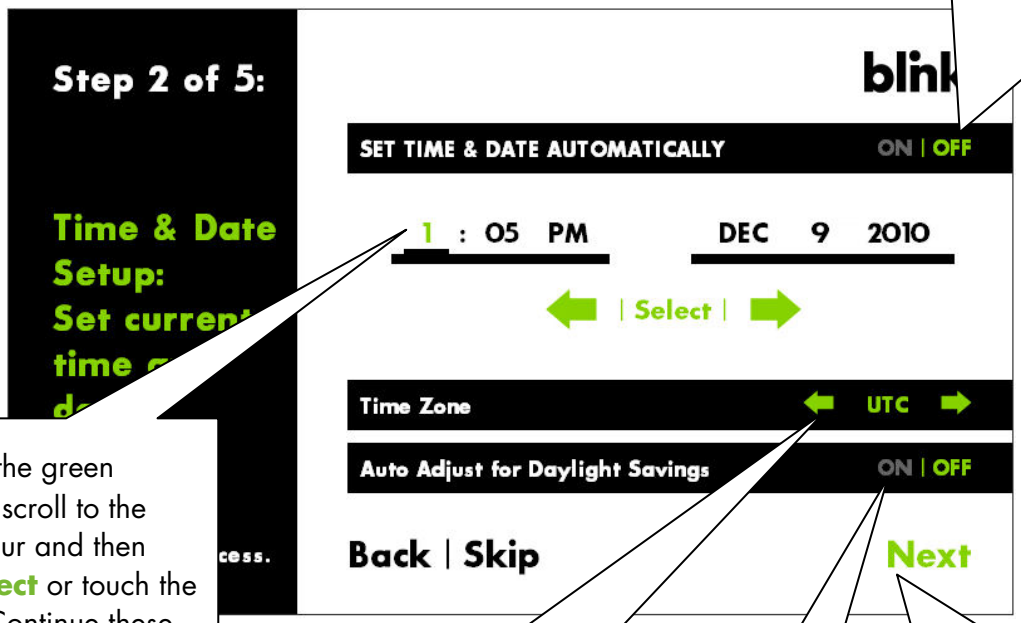
A. Set the time, date, time zone, and Daylight Savings

You can choose to set the time and date on your **blink** charging system yourself, or allow the **blink** system to set it automatically.

Note: If you use the automatic function (turned on by default), you will not be able to change the date and time fields unless you turn the automatic function off.

❶ To use the automatic feature, touch **ON** and skip to ❸, ***or***

To turn off the automatic time/date feature and set the time and date yourself, touch **OFF**.



❷ Use the green arrows to scroll to the current hour and then touch **Select** or touch the minutes. Continue these steps to enter the minutes, AM or PM, month, day, and year.

❸ Touch these arrows to scroll to your local Time Zone, for example, **US/Pacific**.

❹ Touch **ON** to have the time change for Daylight Savings automatically.

❺ Touch **Next** to finish Step 2 and continue.

Step 3 — Electricity Rate Setup

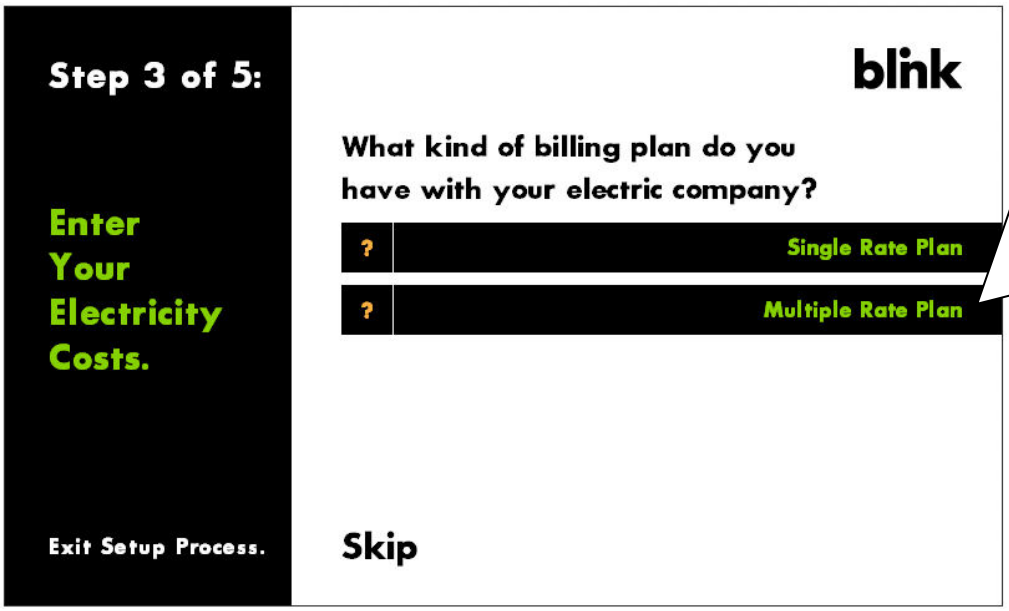
Entering your electric company's billing rates for energy use into your **blink** charging system helps you coordinate your vehicle charging times with the least expensive billing rates. It also enables your **blink** to estimate the cost of each charging session and provide additional information based on that figure.

Most utilities provide two types of rate plan:

- **Single-rate plan:** Energy costs are the same at all times and are billed at one flat rate
- **Multiple-rate plan:** Energy costs vary by time of day, weekday/weekend, and/or season

Electricity is billed by the kilowatt-hour (kWh); you will enter the cost for one kWh for each rate you enter in your **blink** charging system.

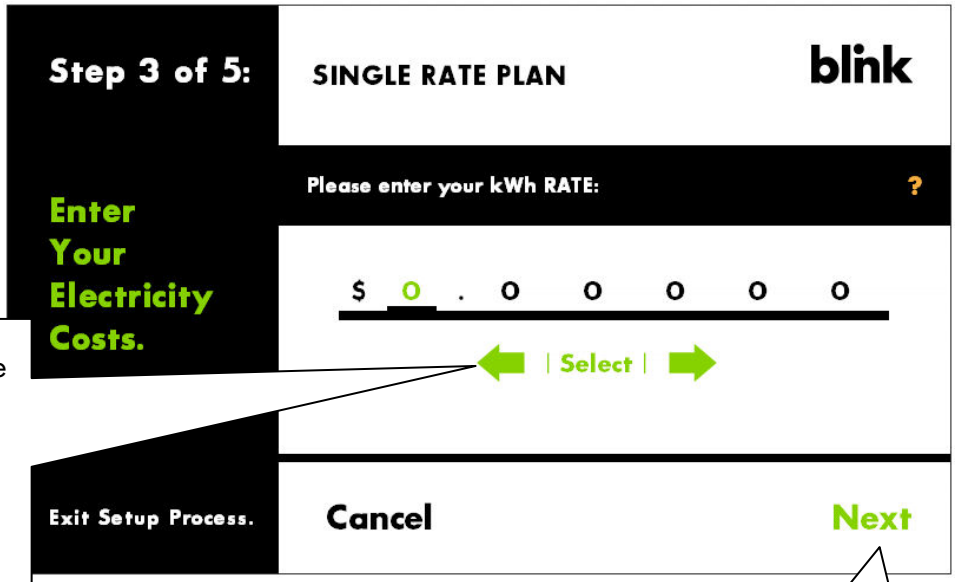
tip Before you start this step, we recommend that you get the most recent copy of your electric bill, which should list each billing rate available to you at your residence. Contact your electric company for more information.



❶ Touch:

- **Single Rate Plan** if your utility bill shows one flat billing rate per kWh used. Go to section **A**, *Set up a single-rate plan*.
- **Multiple Rate Plan** if your utility bill shows two or more billing rates per kWh, depending on the Time of Use. Go to section **B**, *Set up a multiple-rate plan*.

A. Set up a single-rate plan



❶ Using the arrows, enter the rate your utility charges for one kWh, e.g., $0.06163. Start with the first digit (the dollars place), which is usually zero (0), and then touch **Select** or the next digit. Continue until you have entered every digit.

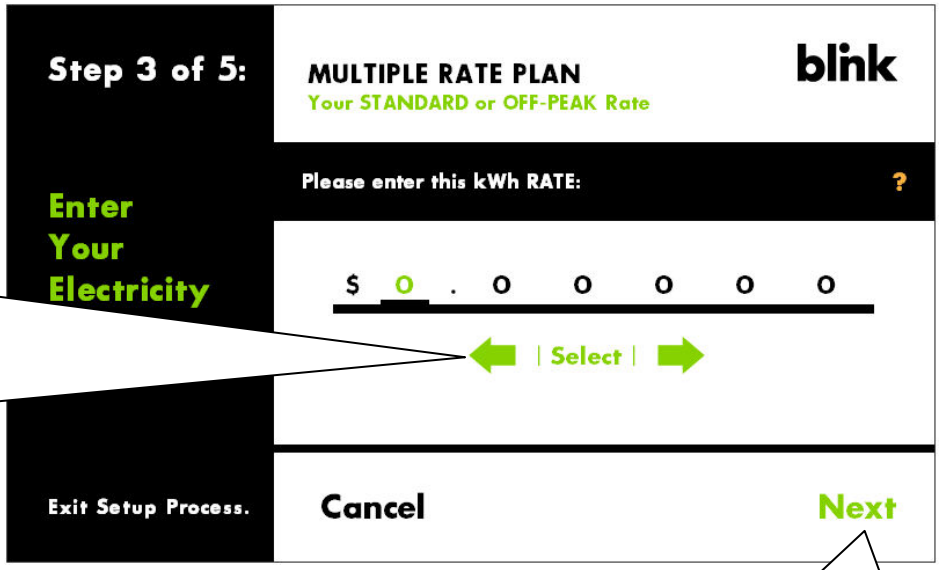
❷ Touch **Next** and proceed to Step 4.

Step 3 (continued)

B. Set up a multiple-rate plan

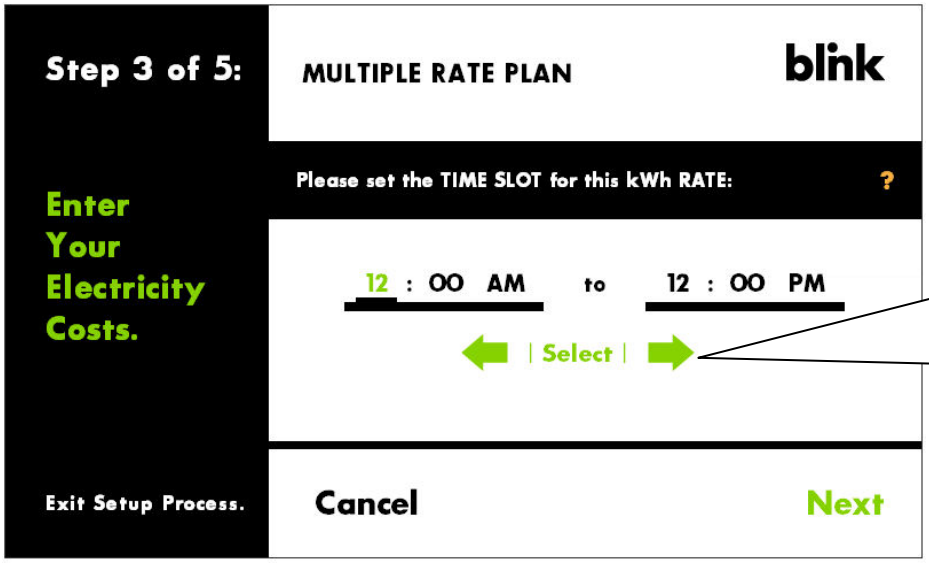
For a multiple-rate plan, you will need to enter at least two billing rates for your electricity:

- Standard or Off-Peak Rate – this is the lower rate; you will enter this first
- Peak Rate – higher rate, charged at those times when electricity demand is highest



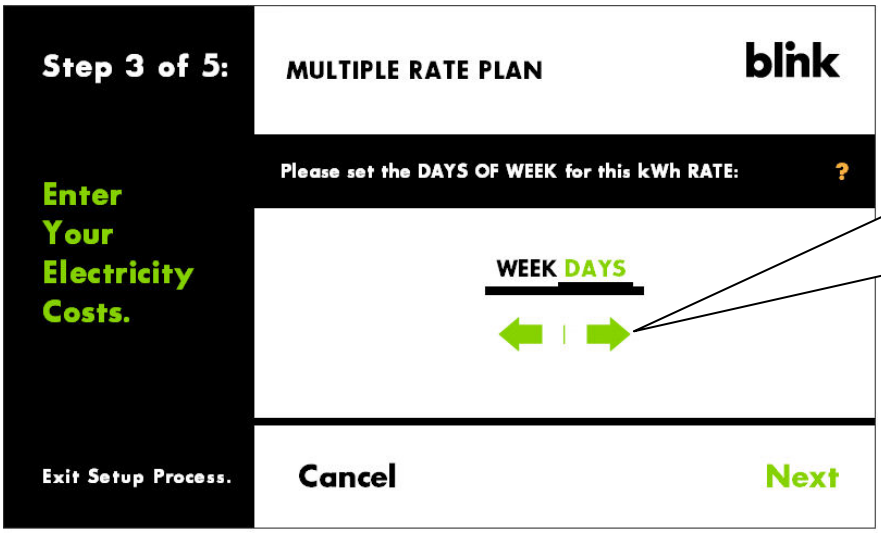
❶ Use the green arrows to enter the standard (off-peak) rate your utility charges for one kWh. Starting with the first digit (the dollars place), scroll to the correct amount (usually 0), and then touch **Select** or the next digit. Continue until you have entered every digit.

❷ Touch **Next**.

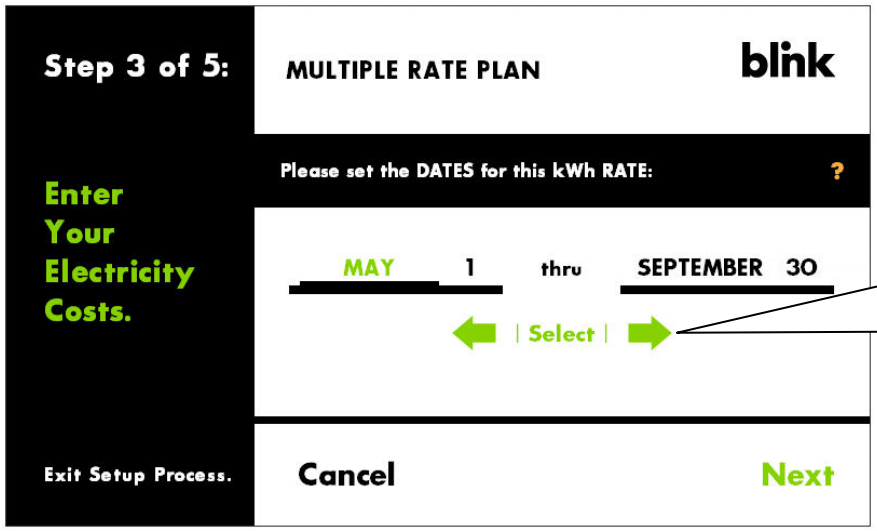


❸ Next, touch the arrows and **Select** to enter the start and stop times for the Standard/ Off-Peak rate and then touch **Next**.

Step 3 (continued)

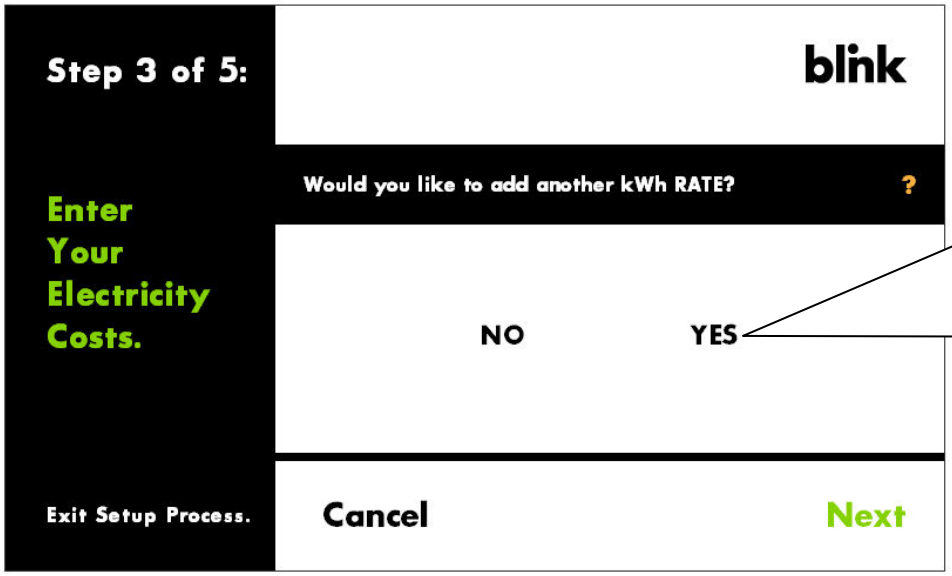


❹ Touch the green arrows to choose whether this rate applies on **WEEK DAYS** or **WEEK ENDS** and then touch **Next**.



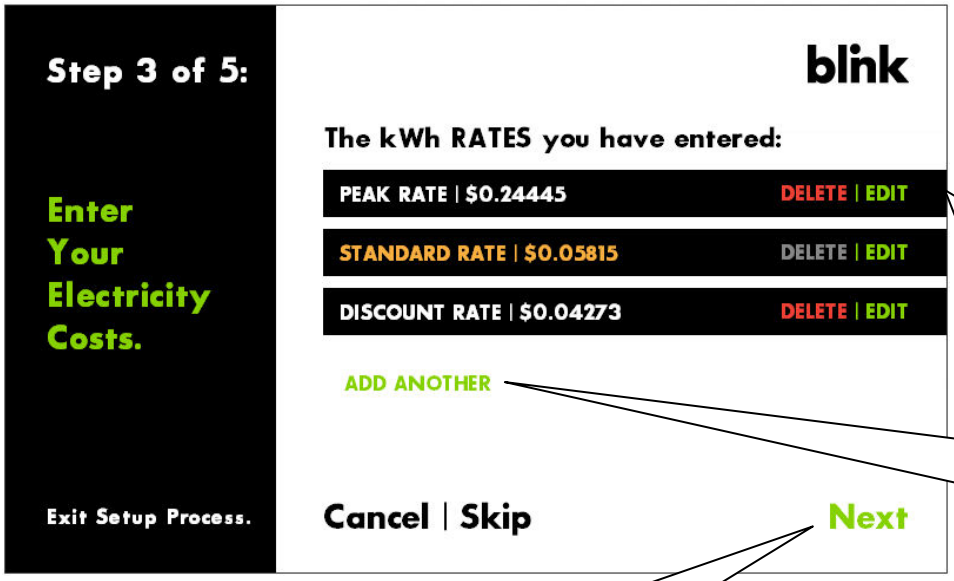
❺ Touch the arrows and **Select** to enter the date range when this rate is in effect and then touch **Next**.

Step 3 (continued)



❻ Touch **YES** to enter another billing rate, or **NO** to finish entering rates. If you chose **YES**, repeat ❶ through ❺.

Note that for multiple-rate plans, you must enter at least two rates. (You may choose to do this later, however.)



❼ Review the rates you entered.

- Touch **DELETE** to remove a rate. (You cannot delete the Standard Rate.)
- Touch **EDIT** to change a rate.

❽ To enter a new rate, touch **ADD ANOTHER** and then repeat ❶ through ❻.

❾ When you are finished entering rates, touch **Next**.

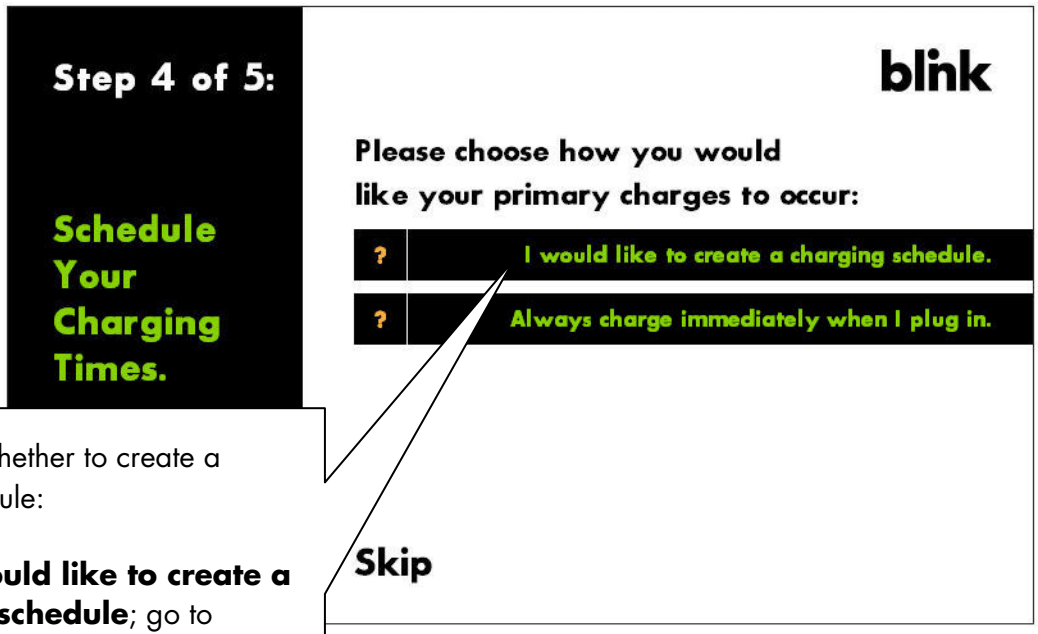
Step 4 — Schedule Charging Times

A. Schedule the desired charging times

Your **blink** allows you to create a charging schedule for when you want to charge your vehicle. We recommend a charging schedule if you have a multiple-rate plan, so that you can take advantage of lower electricity rates without having to remember to plug in your car at the right time. For example, if you typically come home from work at 6:00, but your utility has a discount rate that starts at 9:00pm, scheduling a 9:00pm charge start time on weekdays allows you to simply plug in your vehicle when you get home and then forget about it. Your **blink** charging system will wait until 9:00 to start charging – saving you money. You can schedule multiple time slots, too – for example, after work on weekdays and during the early morning hours on weekends.

Note: If your vehicle can also save a charging schedule, make sure that the schedule in your **blink** does not conflict with the vehicle's schedule. Only enter a schedule in your vehicle or your **blink** – not both.

You can also choose to have charging start immediately when the connector is plugged into your vehicle. This works well when you have a single-rate electricity billing plan, where there is no cost advantage if you delay charging.



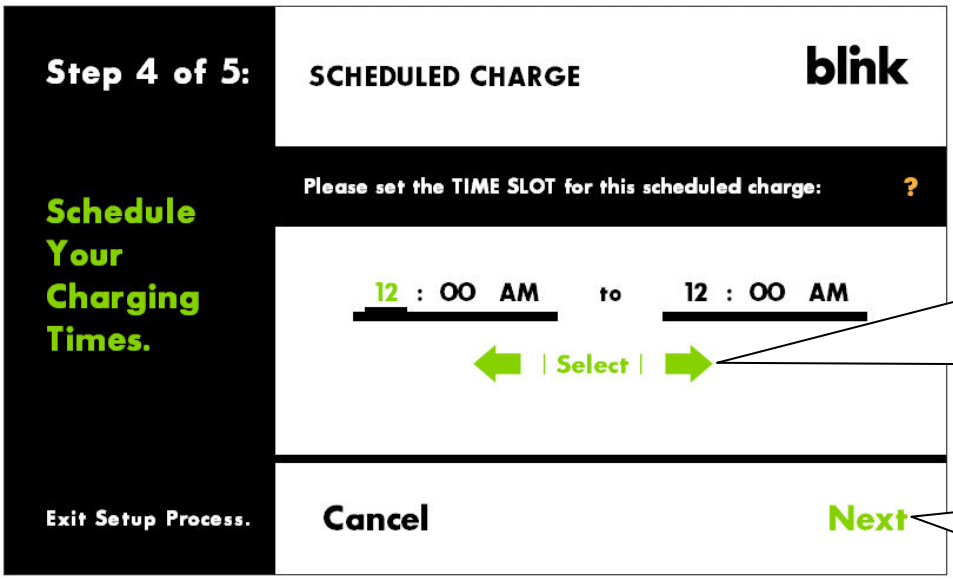
❶ Choose whether to create a charging schedule:

- Touch **I would like to create a charging schedule**; go to section **B** to continue.
  or
- Touch **Always charge immediately when I plug in**; proceed to Step 5.

Step 4 (continued)

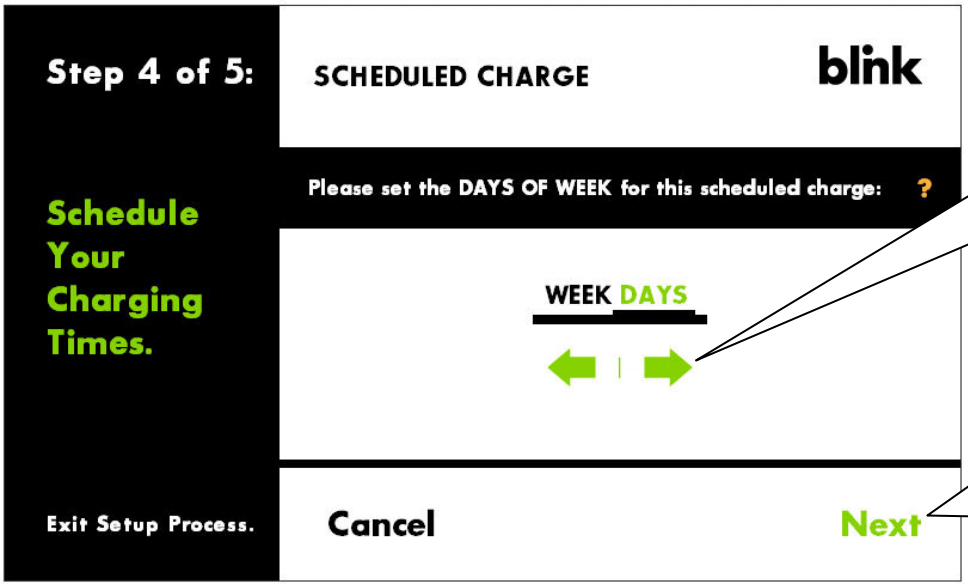
B. Enter the desired charging times

Enter time slots for when you want your **blink** charging system to be available for charging.



❶ Use the green arrows to enter the times to start and end each charging session, touching **Select** or the next field until you have finished entering the times.

❷ Touch **Next**.

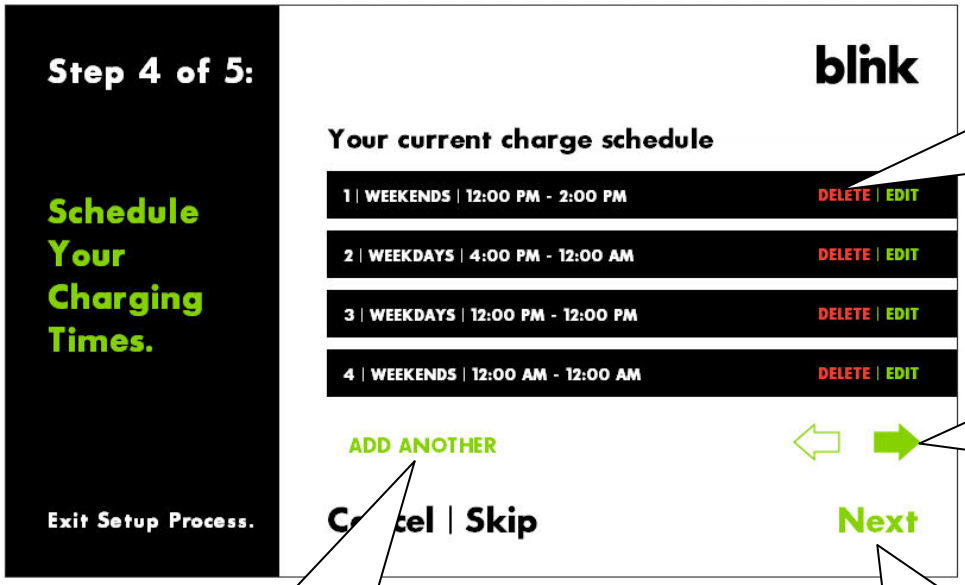


❸ Touch the arrows to select **WEEK DAYS** or **WEEK ENDS** for this time slot.

❹ Touch **Next** to view all scheduled entries and/or add another entry.

Step 4 (continued)

The final Charging Schedule Setup screen lists all of the entries in your current charge schedule.



- Touch **DELETE** to remove an entry.
- Touch **EDIT** to make changes to an entry.

If there are more than four entries, touch the green arrow to view more.

Touch **ADD ANOTHER** to enter another charge time, and then repeat ❶ through ❹ on the previous page.

When you have finished the charge schedule, touch **Next** to proceed to Step 5.

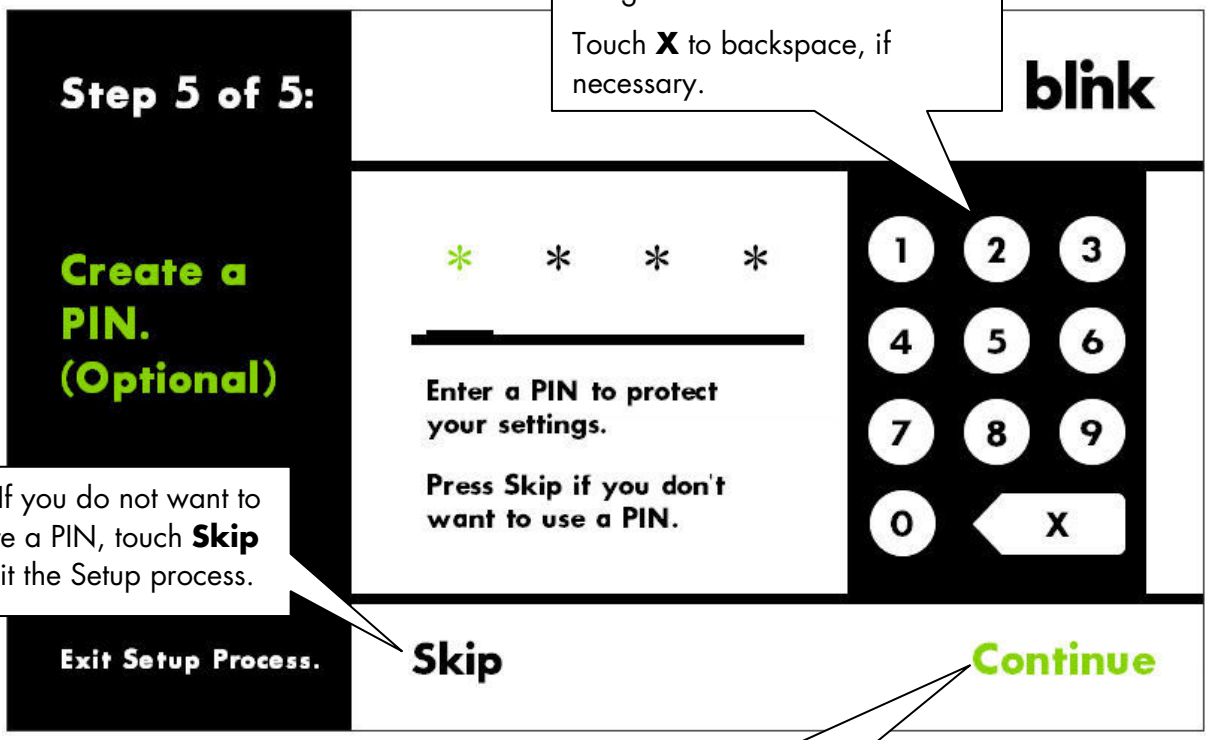
Step 5 — Creating a PIN (optional)

You do not have to create a Personal Identification Number (PIN) to operate the **blink** charging system. However, we recommend that you create a PIN because it protects your **blink** system's settings, such as the charge schedule or billing rates, from unauthorized changes.

We strongly recommend creating a PIN if small children will be in your home or if your **blink** charging system is in an easily accessible location, such as a carport.

❶ To create a PIN, use the keypad to enter the desired 4-digit number.

Touch **X** to backspace, if necessary.



tip If you do not want to create a PIN, touch **Skip** to exit the Setup process.

❷ After you enter your PIN, touch **Continue**, and then enter your PIN again to confirm it.

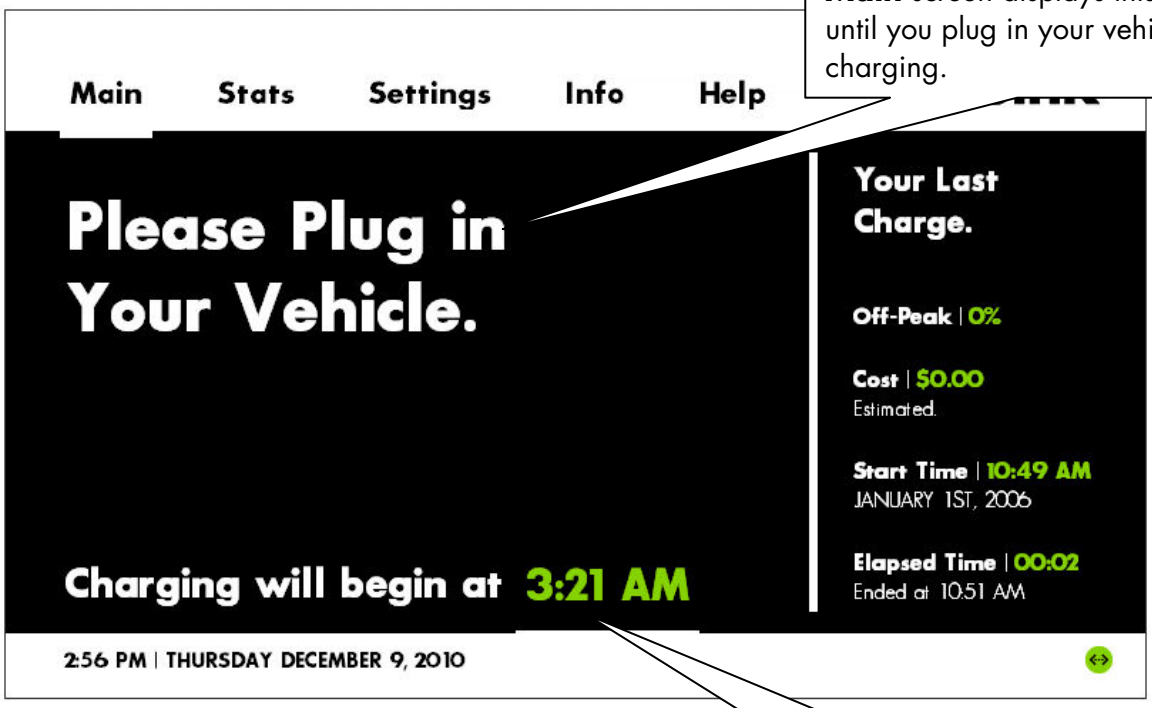
❸ Touch **Continue** again to exit the Setup process and begin using your **blink** charging system.

Using blink

The **Main** screen tells you at a glance about the status of your **blink** charging system, including whether it is plugged in, whether it is charging, and how soon charging will begin. The right side of the **Main** screen tells you about your most recent charging session, such as how much of the charge occurred during off-peak billing hours and the estimated cost of the charging session.

When your vehicle is unplugged

If your vehicle is unplugged, the **Main** screen displays this message until you plug in your vehicle for charging.

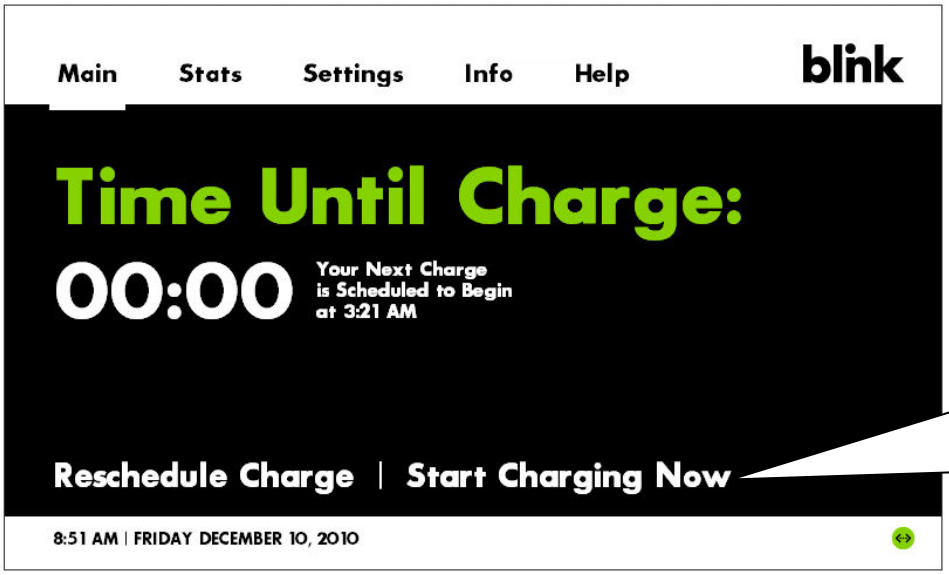


If you set up a charging schedule, **blink** displays the next charge's start time.

When your vehicle is plugged in

Vehicle is waiting to charge

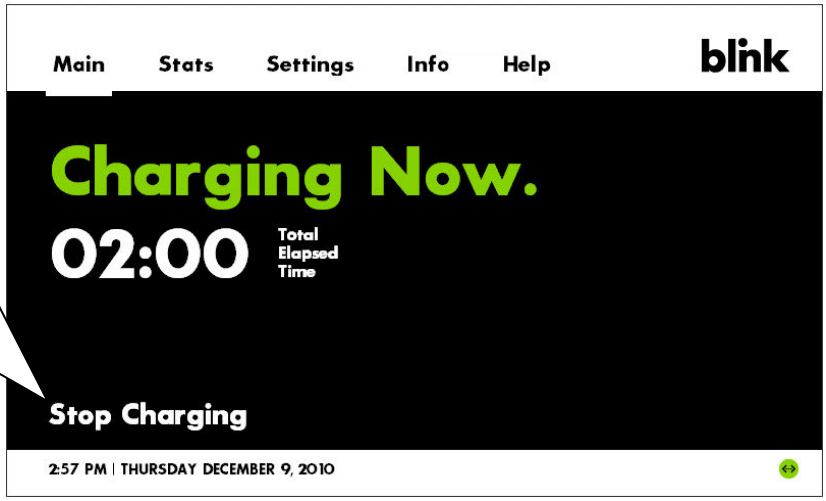
If your vehicle is plugged in, you have a charge schedule set up in your **blink** charging system, and charging has not started yet, the following screen appears.



tip If you like, touch either **Start Charging Now** or to **Reschedule Charge**. This won't change your normal charge schedule – it is a one-time change.

Vehicle is charging

Once charging begins, you can touch **Stop Charging** and disconnect the vehicle for use, if necessary.

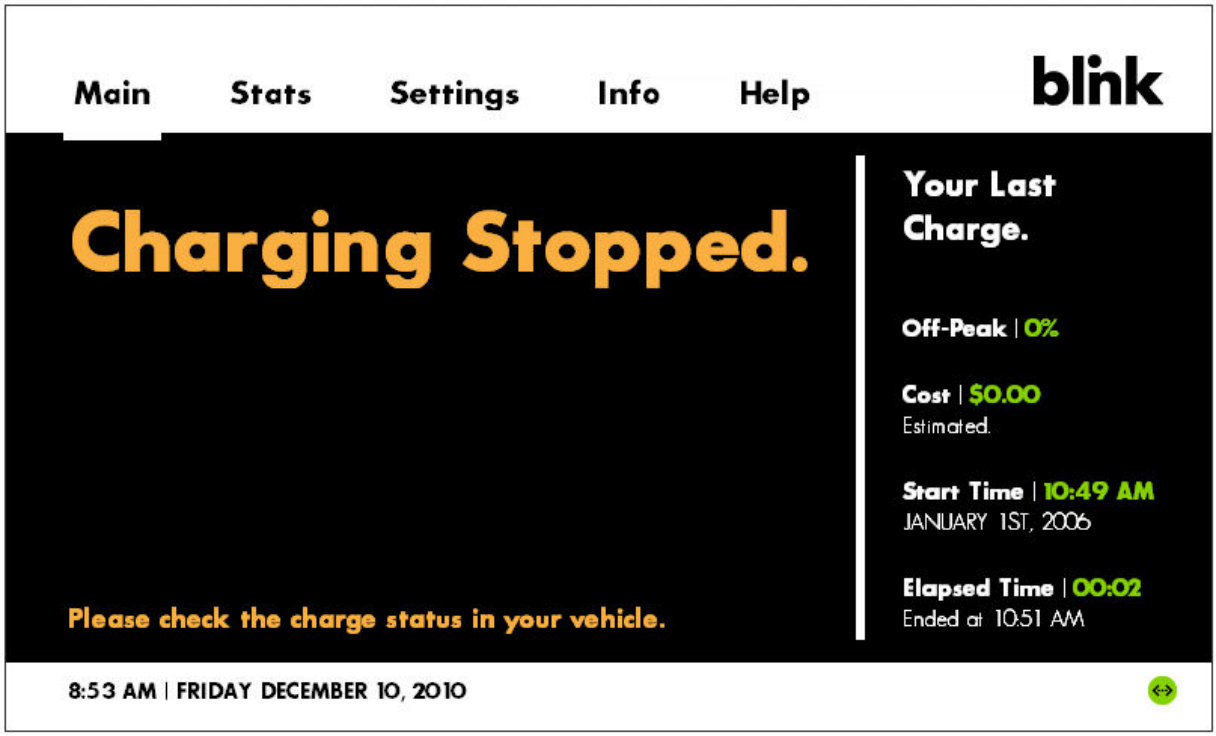


Note: The **Total Elapsed Time** indicates the cumulative time that the vehicle has been drawing current from your **blink**. To determine whether your vehicle has a full charge, check its onboard charge status.

Charging stopped

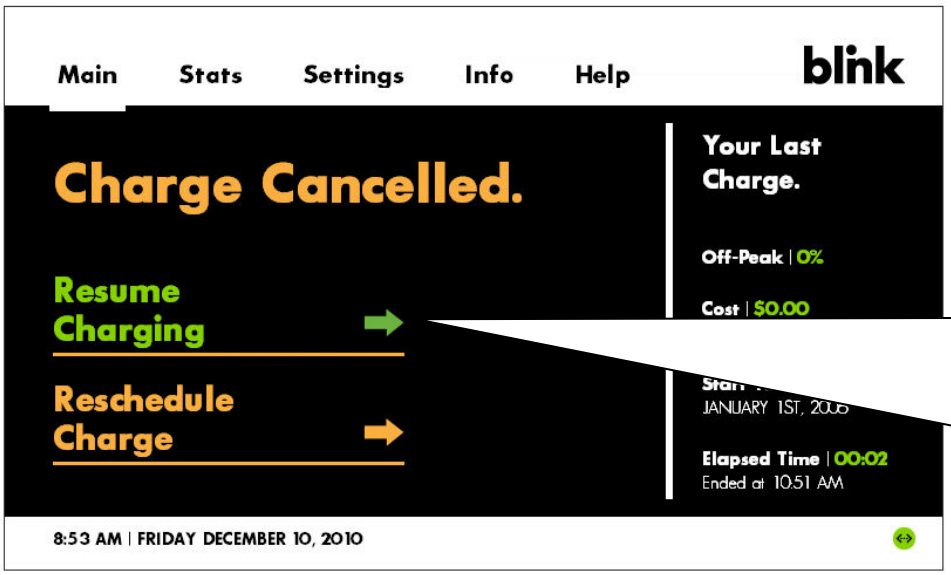
The following screen appears when the end of the scheduled charging time has been reached.

Note: This message does not indicate that your vehicle has a complete charge – only that charging has stopped. Check your vehicle's charge status to ensure that the charge is complete.



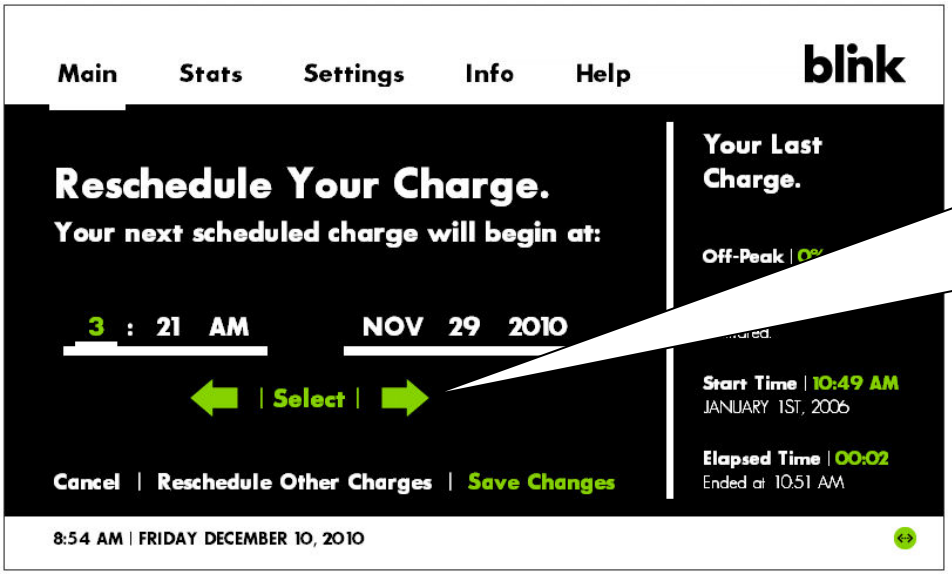
Charging cancelled

The following screen appears when you cancel a charging session while it is in progress by touching **Stop Charging**. Your options are to restart the session where you left off (**Resume Charging**) or to schedule this charge to happen at a later time (**Reschedule Charge**). Rescheduling a charge only affects the current charging session – it does not affect your normal charging schedule.



When you cancel a charge (by touching **Stop Charging** or unplugging your vehicle), you can choose to **Resume Charging** or **Reschedule Charge** for this session only. (Rescheduling does not affect the future charge schedule.)

Rescheduling a charge

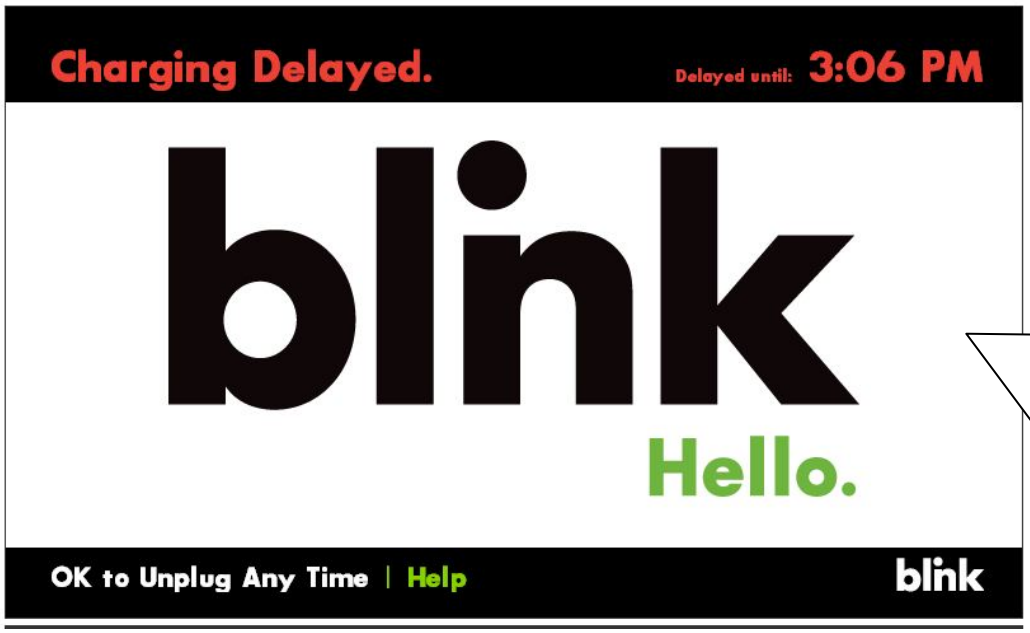


To reschedule a charge, touch the green arrows and **Select** to enter the start time and date for your vehicle's next charge. When you are done, touch **Save Changes**.

Charging delayed or interrupted

In some areas, your electric company may delay or interrupt charging, generally due to high demand for electricity. This can happen if you give your utility permission to balance their electrical load via "demand response" functions.

Both of these screens indicate when charging will resume.



This screen indicates that your **blink** charging system was waiting to start a scheduled charge, but your local electric utility delayed the charging session due to high electricity demand.

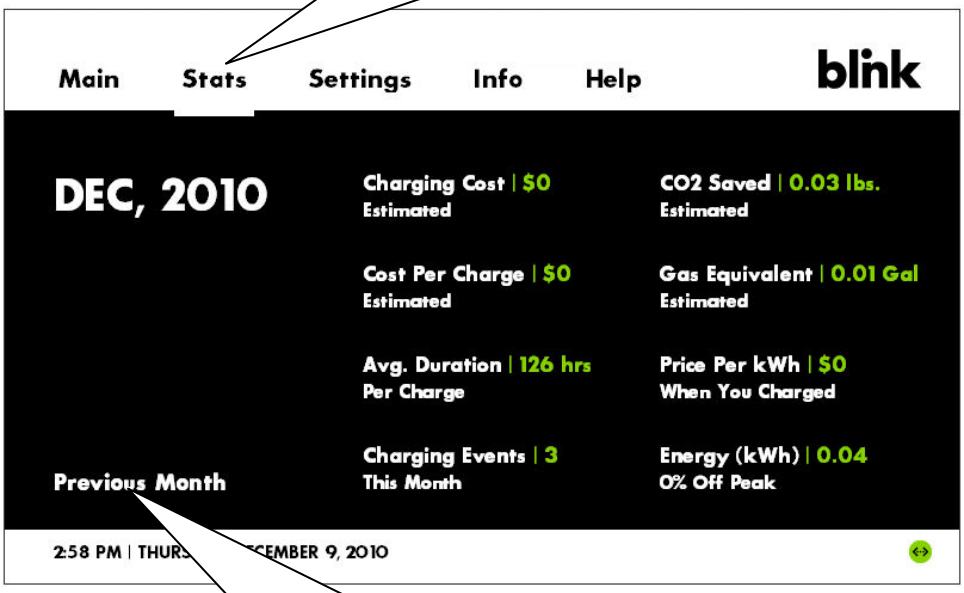
This screen indicates that your **blink** charging system was charging your vehicle when your local electric utility interrupted the charging session due to high electricity demand.

View your charging history

Your **blink** charging system tracks every charging session, and can provide you with detailed information about the current month's and the previous month's usage, including estimated costs, how often and how long you charged your vehicle, estimated CO_2 you saved with your vehicle and **blink** charging system, and more.

Note: You must enter your electric company's billing rates at your residence in order for **blink** to calculate Charging Cost, Cost Per Charge, Price Per kWh, or % Off-Peak.

Touch **Stats** to view information about your **blink** charging sessions during the current and previous month.

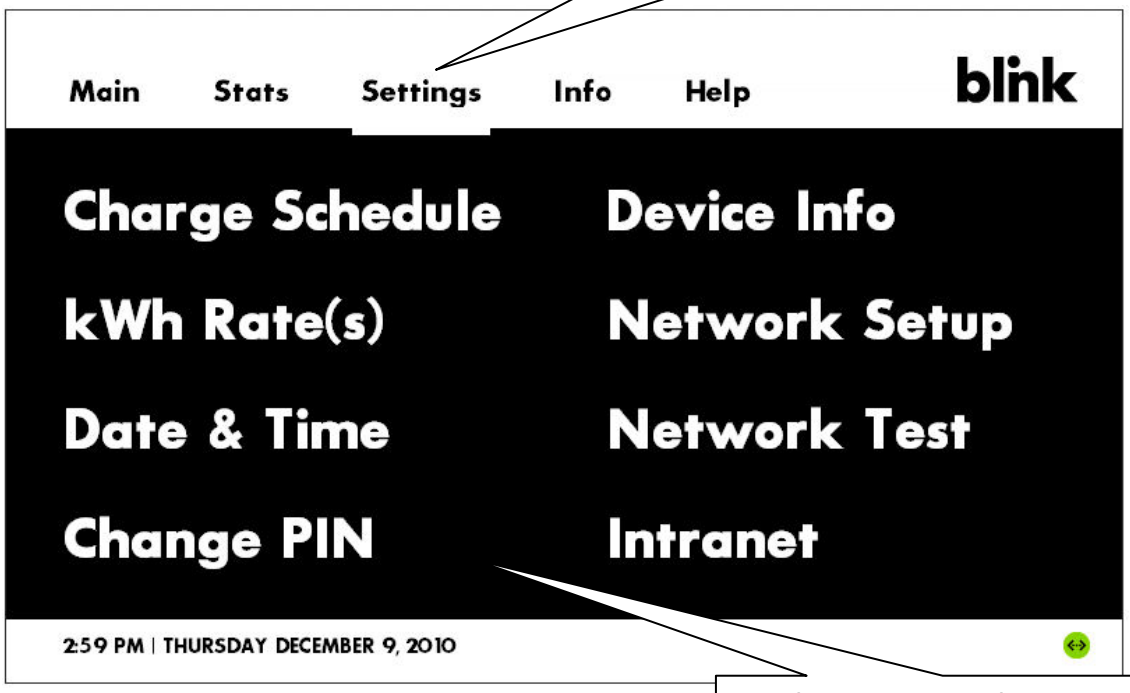


- Touch **Previous Month** to display last month's information.
- Touch **Current Month** to return to this month's information.

Change your blink settings

Once your **blink** setup is complete, all changes are made from the **Settings** menu.

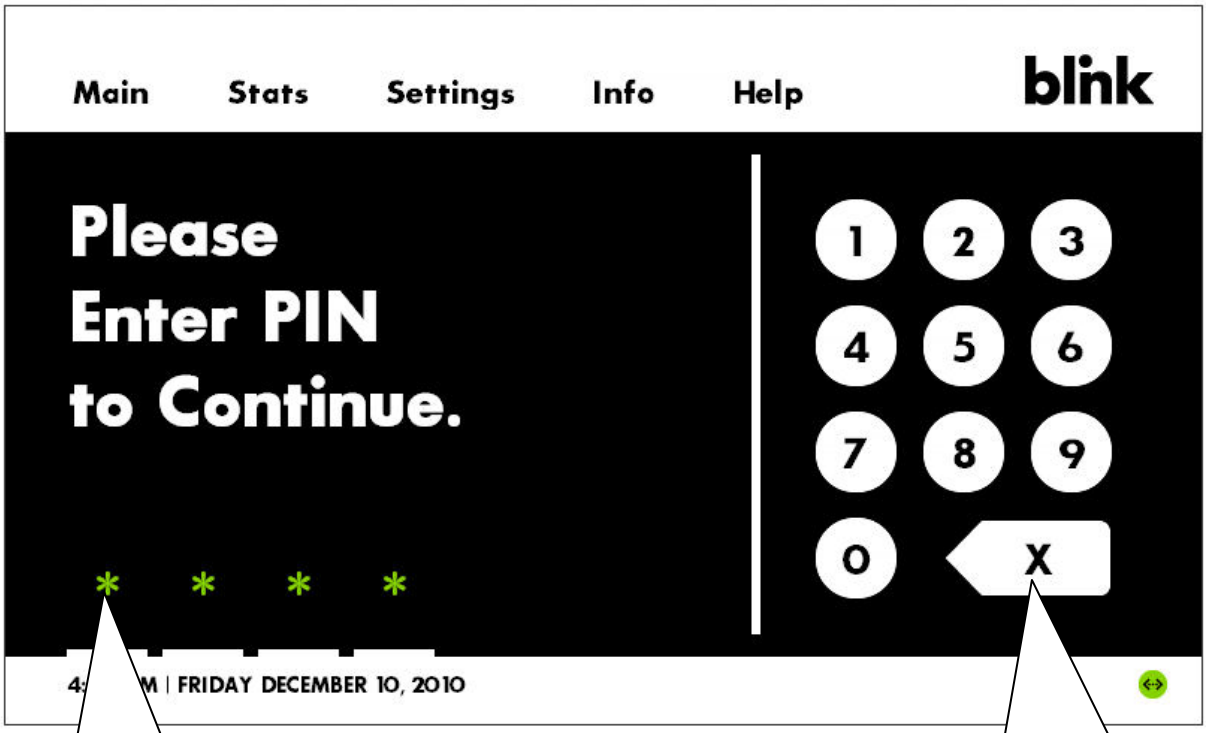
Touch **Settings** to see a menu of **blink** options.



Touch an option on the **Settings** menu to change the Charge Schedule, PIN, Network Setup, kWh Rates (rate plan), or Date & Time, or to view the **blink** Device Information.

Enter your blink PIN

If you created a PIN during setup, your **blink** will prompt you to enter it each time you try to change one of the saved settings, including the charge schedule, billing rates, time and date, and network setup.



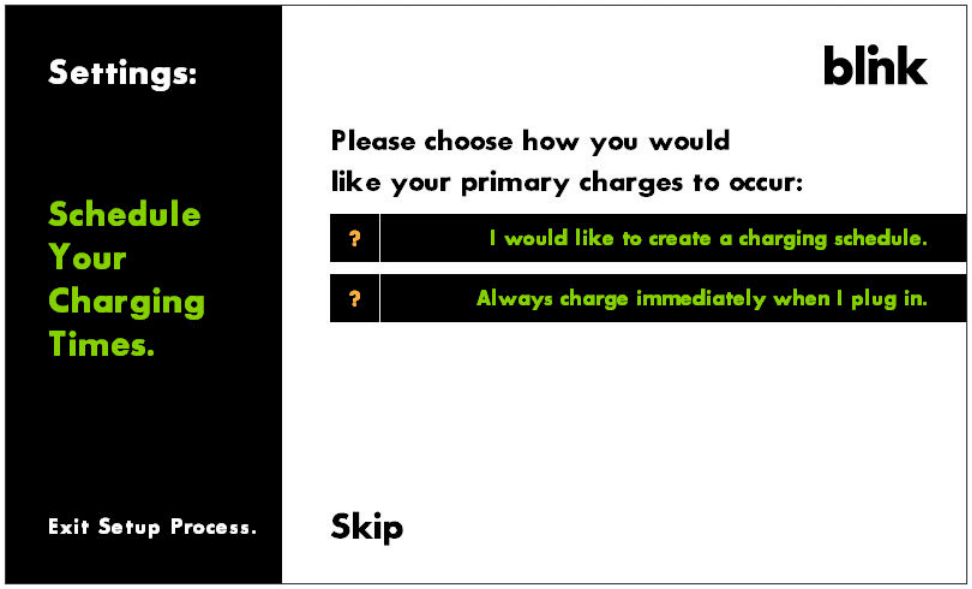
An asterisk (*) appears to show where to enter each digit of your PIN.

If you forget your PIN, touch and hold the **X** for at least five seconds. When the Create a PIN screen appears, enter a new PIN and touch **Continue**, or press **Skip** to continue without a PIN.

This error message appears when you enter an incorrect PIN.

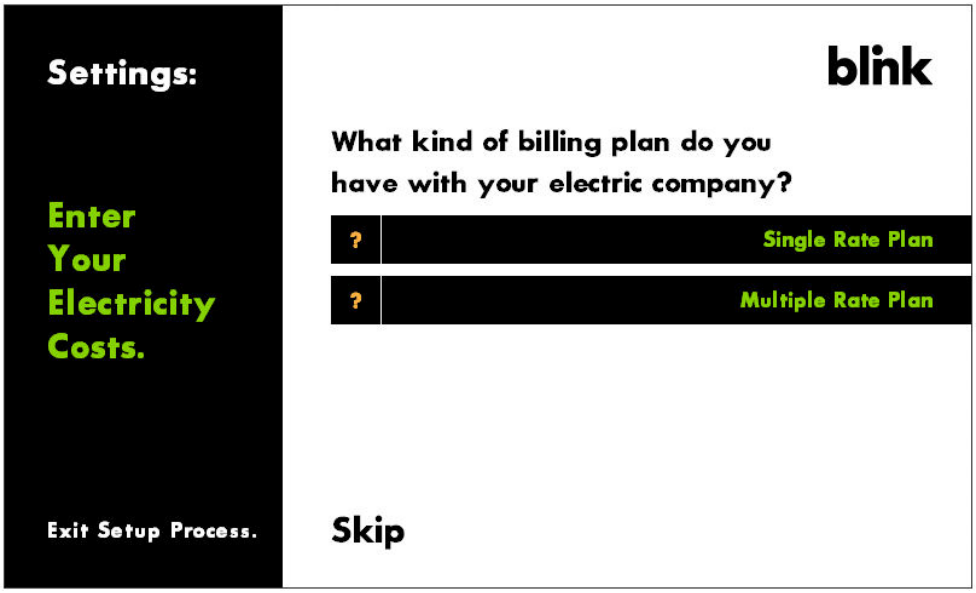
Change your charge schedule

Touch the **Charge Schedule** option on the **Settings** menu to display the following screen. This update process is identical to the original setup process. See Step 4 for more information.



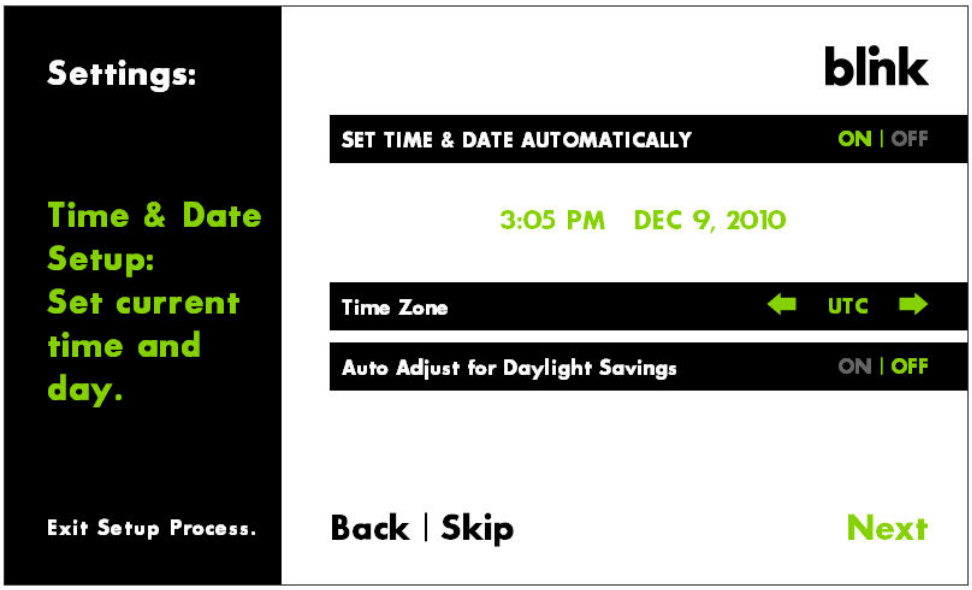
Change your electricity billing rates

Touch the **kWh Rate(s)** option on the **Settings** menu to display the following screen. This update process is identical to the original setup process. See Step 3 for more information.



Change the date and time settings

Touch the **Date & Time** option on the Settings menu to display the following screen. This update process is identical to the original setup process. See Step 2 for more information.



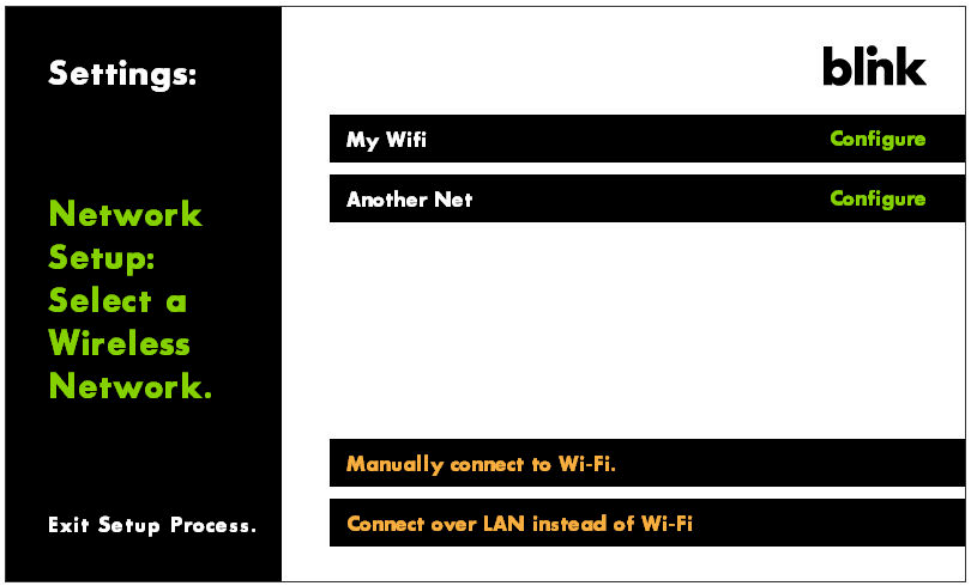
Change your blink PIN

Touch the **Change PIN** option on the **Settings** menu to display the following screen.

- **If you did not enter a PIN during setup:** Use the keypad to enter a 4-digit PIN, touch **Continue**, re-enter your PIN, and then touch **Continue** again.
- **If you need to delete your PIN:** Touch **Skip**. At that point you will be able to create a new PIN if you want.

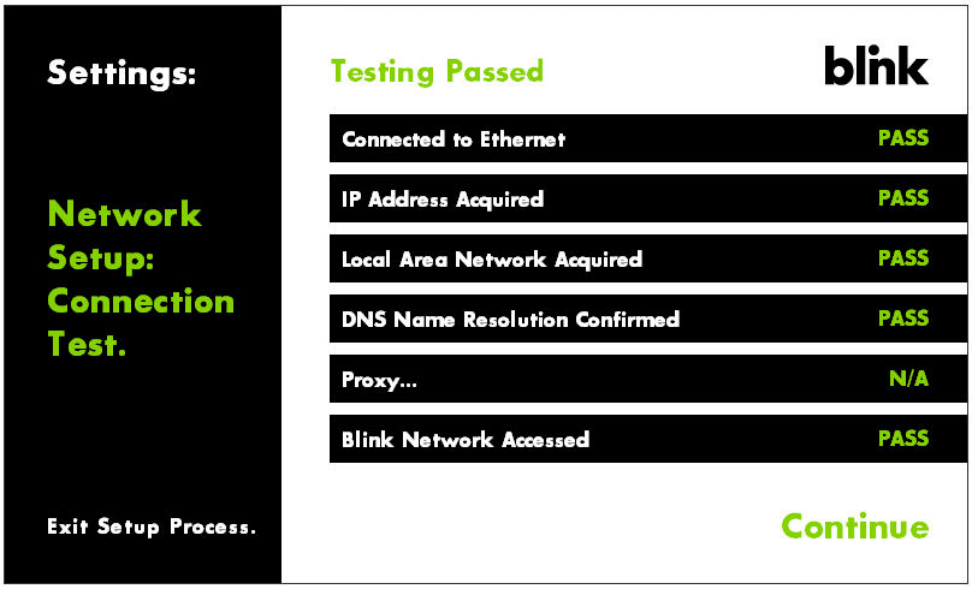
Update your network setup

Touch the **Network Setup** option on the **Settings** menu to display the following screen. This update process is identical to the original setup process. See Step 1 for more information



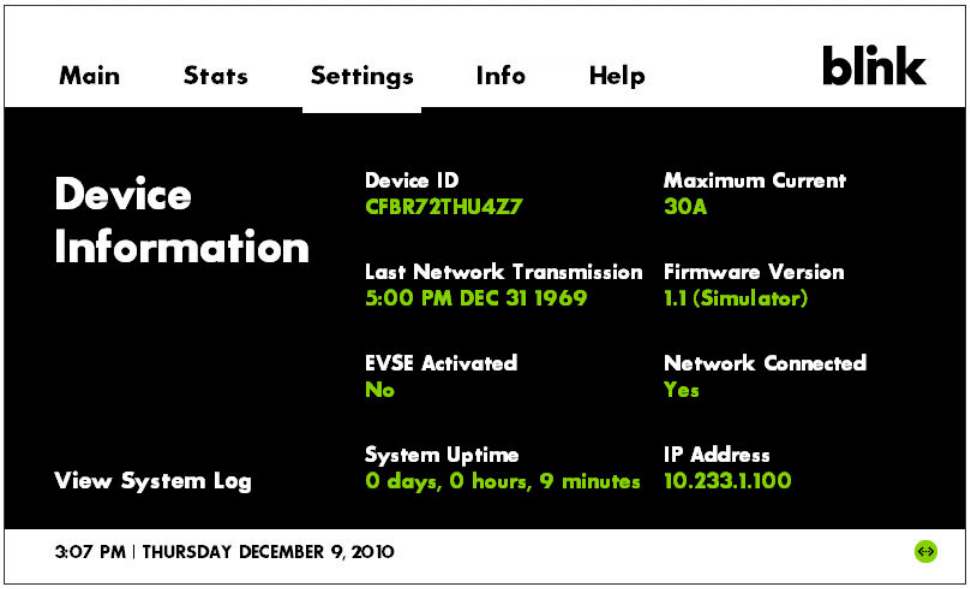
Test your network connection

Touch the **Network Test** option on the **Settings** menu to display the following screen.



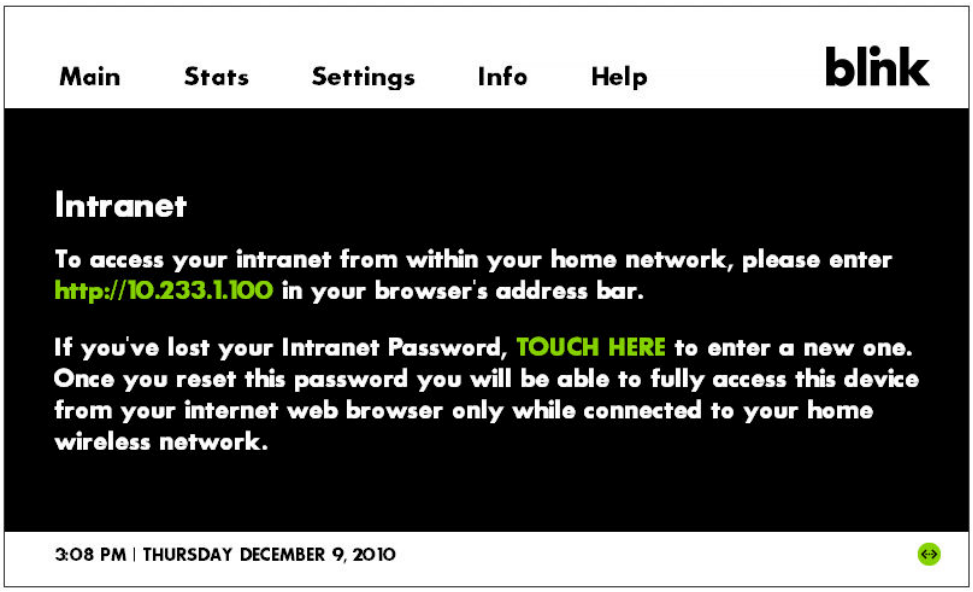
View information about your blink charging system

Touch the **Device Info** option on the **Settings** menu to display the following screen. This information is helpful for troubleshooting your **blink** device.



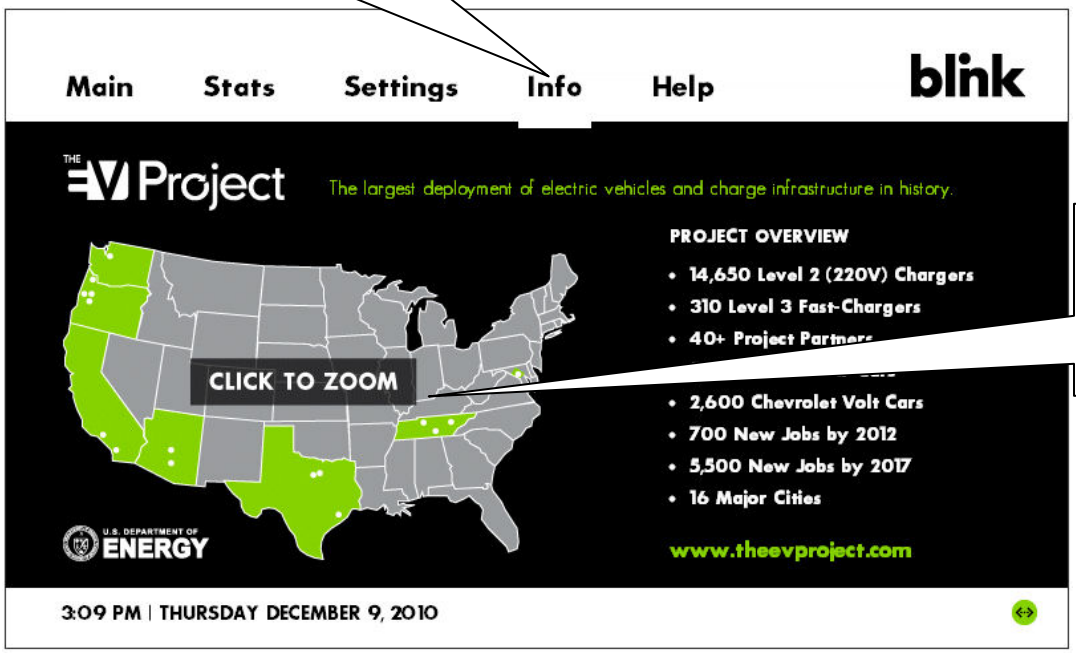
View information about the blink intranet

Touch the **Intranet** option on the **Settings** menu to display the following screen. This screen provides information about connecting to the **blink** intranet from your home network. The default intranet password is “blinkadmin”.

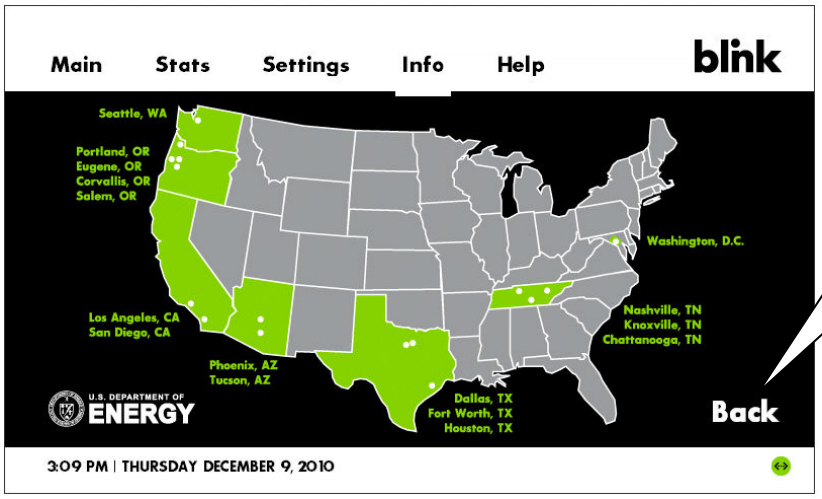


Learn about the EV charging network

Touch **Info** to learn current facts about the expanding national EV charging network.



Touch here for more information about the national EV charging network.



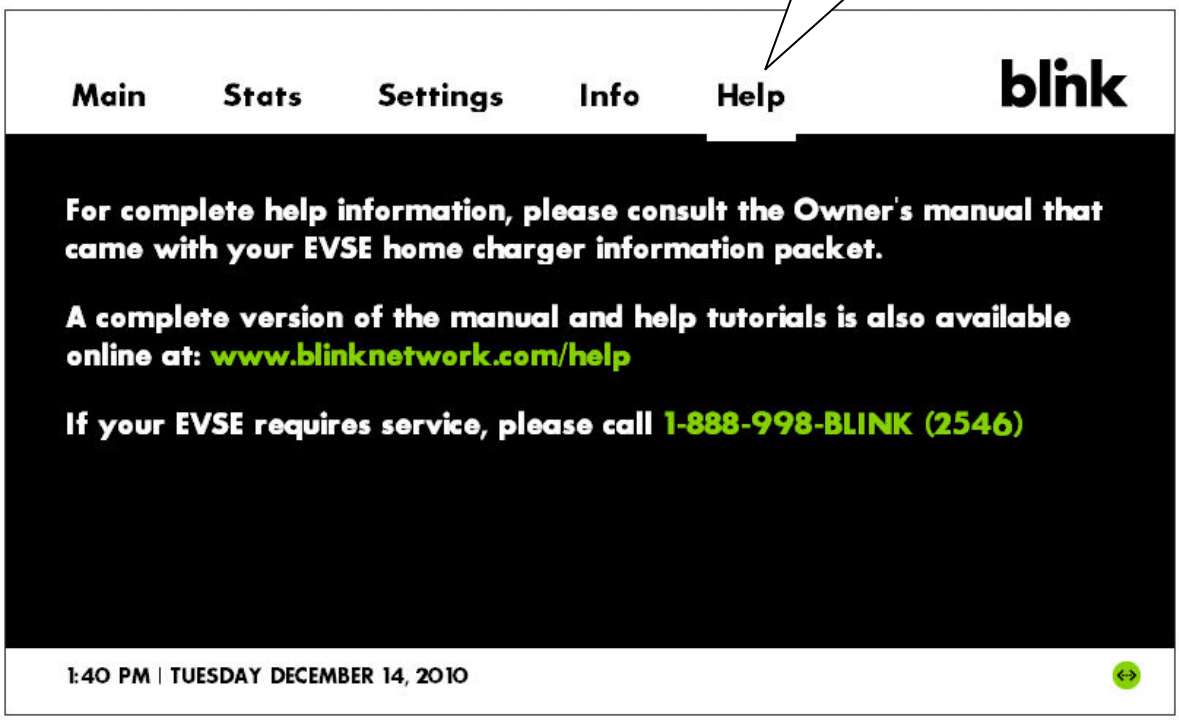
Touch **Back** to return to the first **Info** screen.

Get help with using your blink

Your **blink** charging system provides on-screen help to assist you. There are two types of **blink** help:

- Clicking the question marks that appear on certain screens; this pops up helpful information about that screen or screen item
- Touching **Help** on the **Main** screen

Touch **Help** at any time for links to the **blink** network and further assistance.



Power issues

Power outages

Your **blink** charging system is designed to handle power outages. When power resumes, your **blink** charging system automatically powers back up, and then displays the calibration screen described on page 5.

- Touch the screen anywhere to begin calibration.
- If the screen is not touched within two minutes, your **blink** skips the calibration step and displays the Welcome screen below.

The **Welcome to blink** screen appears.

❶ Touch **Charge Now** to return to the Main screen and resume normal use. Otherwise, your **blink** charging system will wait 15 minutes and then will go to the Main screen automatically.

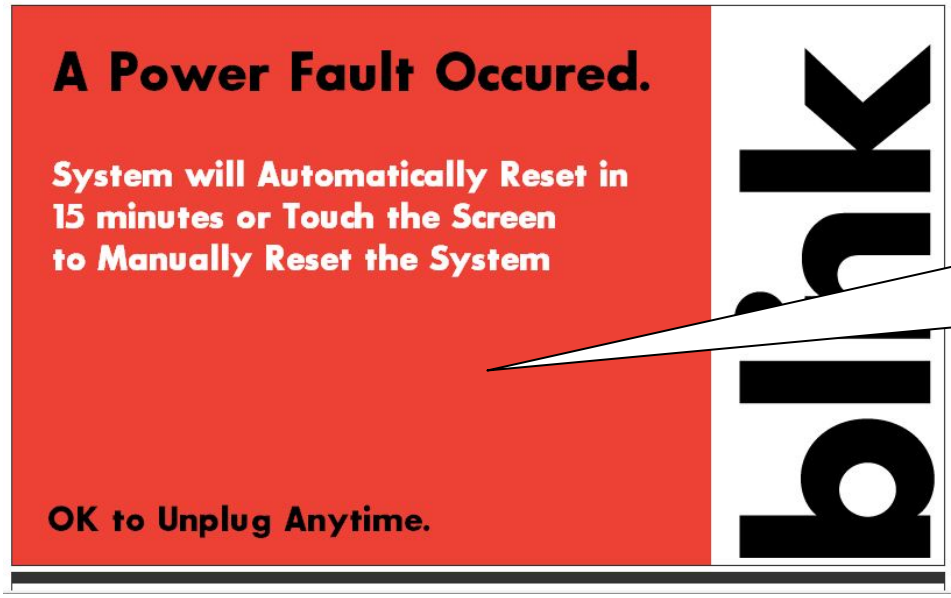
The following screens indicate that a power outage occurred and charging has stopped.

- First screen: Your **blink** charging system will reset itself after the indicated number of minutes; you can touch the screen to reset right away.
- Second screen: Your **blink** charging system tried to reset itself four times and failed to reset safely. Touch the screen to reset. If it fails to reset (unlikely), contact your **blink** Contact Center service representative.

In addition to these screens, an intermittent beep indicates that a power outage has occurred. This beep stops once the system is either manually reset or resets automatically.

After a power outage, your **blink** charging system was connected to your vehicle, the charge will resume at the delayed time (randomly generated number between 2 and 12 minutes).

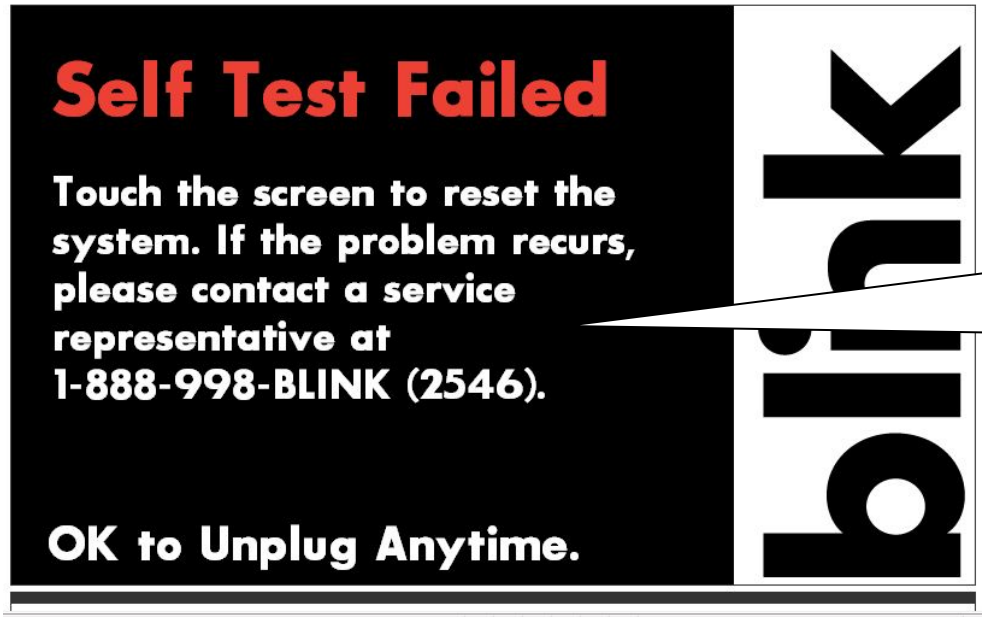
To manually return to the Main screen and resume normal use, unplug the vehicle and plug it back in.



The **blink** charging system shows this screen when it cannot reset automatically. Touch the screen to reset the system, or unplug the vehicle and plug it back in.

Self-test fault

Your **blink** charging system periodically runs a self-test to make sure its ground fault protection is working properly. If this self-test fails, the screen below appears and an intermittent beep indicates that a self-test fault has occurred. This beep stops once the system is either manually reset or resets automatically. In most cases, simply touching the screen to reset the system resolves the problem. However, if you see this screen again, please contact a **blink** Contact Center service representative.

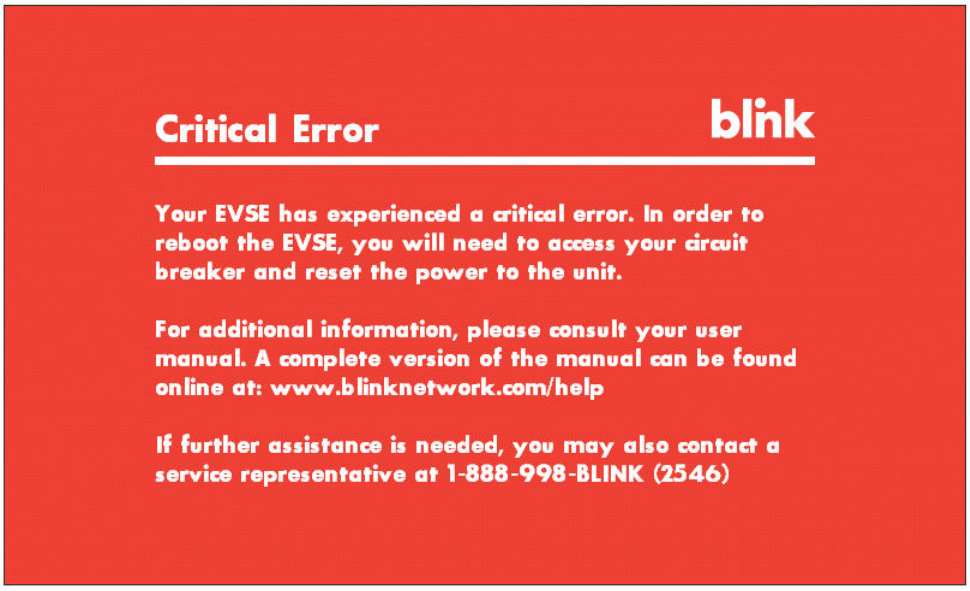


Touch the screen to reset your **blink** charging system.

If you see this screen again, please contact a **blink** service representative.

Critical error

Most users will never see this screen. Following the screen's instructions to turn off the power to your **blink** charging system and then turn it back on usually will resolve the problem. If not, please contact a **blink** Contact Center service representative.



blink updates

Periodically your **blink** charging system will download and install firmware updates automatically. Typically this will occur after midnight, and only takes a few minutes. Your **blink** charging system will display the screens below during these updates.

Note: If your **blink** charging system is shut down and then restarted, it may trigger the update process.

❶ Your **blink** displays this message while it is updating its firmware, which operates the system's basic functions.

❷ This message appears for a few seconds after the update finishes, just before your **blink** restarts.

If this message appears, the firmware did not update correctly. Your **blink** will wait 60 seconds and try again. If this message keeps appearing, contact **blink** support.

❸ This message appears for a few moments after the **blink** restarts, and then the normal Main screen appears.

USER MAINTENANCE INSTRUCTIONS

Your **blink** charging system is designed to last for many years of use. One way you can ensure a long and happy experience with your **blink** charging system is to take good care of this equipment.

WARNING: RISK OF ELECTRIC SHOCK
Do not touch live electrical parts.

- Verify that the system is properly installed and grounded according to its installation manual and national, state, and local codes.
- Incorrect connections will cause electric shock.
- Disconnect input power before installing or servicing the equipment.

WARNING: No user-serviceable parts inside

- If any component part is found to be damaged and/or in need of service, have all such service performed by a certified electrical contractor or qualified **blink** charger service facility.

Keep blink equipment clean

- Regularly check for and remove foreign objects or debris on or around your **blink** charging system.
- Wipe the touch screen with a damp cloth or a standard glass cleaner. If using a glass cleaner, spray it on the cloth, not the screen itself. Do not use products containing ammonia.
- Wipe clean the charger housing and cord reel with a damp cloth or a gentle cleanser. Do not spray the equipment directly – spray your cloth or sponge.

Check cords

- If operating, stop the charger and disconnect the connector from the vehicle.
- Inspect the vehicle charging cord – look for nicks in the insulation or excessive rubs on the cord.
- On cord-connected chargers, check the power-input cord for nicks or damage to the insulation and for damage to the plug terminals. Make sure the plug is fully seated.

Check connectors

- If operating, stop the charger and disconnect the connector from the vehicle.
- Visually inspect the **blink** connector – verify that the connector handle assembly is undamaged, with no broken or chipped plastic parts. Verify that terminals are straight and undamaged and that the connector fits firmly and is secure in the vehicle receptacle.
- Inspect your **blink's** connector terminals on the charging cord – look for dark discoloration or corrosion. Verify that the terminals are straight and undamaged. Have any necessary repairs performed by a qualified **blink** service representative.
- Refer to your vehicle's manual for inspection and maintenance information on the vehicle inlet. We recommend that you inspect the connector receptacle and terminals in your vehicle. If the terminals are corroded or damaged in any way, have them repaired by a qualified vehicle service facility.

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NORTH AMERICA
430 S. 2nd Avenue
Phoenix, Arizona 85003-2418
888-998-BLINK (2546)
www.ecotalityna.com
www.blinknetwork.com

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